



JAMES COOK
HIGH SCHOOL

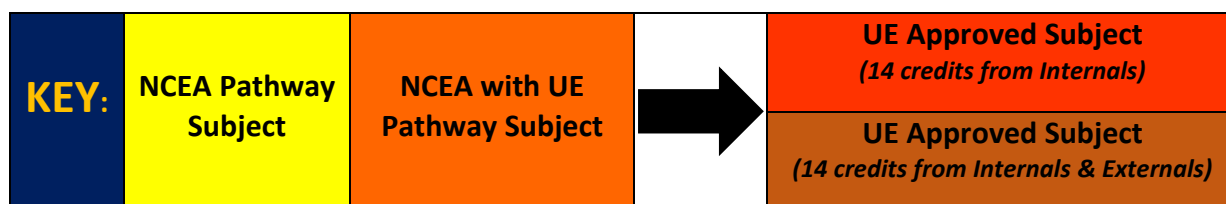
LEVEL 3

SUBJECT OPTIONS

2023

Information for Course Selection and Subject Choice
for Students Studying Level 3 in 2023

LEVEL 3 SUBJECT PATHWAYS MAP FOR 2023



UE Literacy Key: subjects with these symbols offer Internal standards that contribute towards UE Literacy targets (check exact totals carefully!)

● UE Reading ● UE Writing

English	3ENG: English	●
Mathematics	3MAC: Calculus	
	3MAS: Statistics	
	3MAP: Applied Maths	
Science	3BIO: Biology	●
	3CHE: Chemistry	● ●
	3PHY: Physics	
	3SCI: Science	●
	3HOR: Horticulture	
The Arts	3PAI: Painting	
	3PRI: Printmaking	
	3CUA: Cultural Art	
	3ARD: Art Design	
	3PHO: Photography	
	3DRA: Drama	● ●
	3DNC: Dance	
	3MUS: Music	●
Social Sciences	3HIS: History	●
	3BST: Business Studies	●
	3GEO: Geography	●
	3ACC: Accounting	● ●
	3ECO: Economics	●
	3TOU: Travel & Tourism	
Health & PE	3HEA: Health	●
	3PHE: Physical Education	●
	3ADV: Adventure Leadership*	●
	3SPL: Sports Leadership	
Languages	3TON: Lea Faka-Tonga	
Technology	3DTE: Digital Technology	
	3CON: Construction	
	3HOS: Hospitality	
	3MEC: Mechanical	

➔ Admission to Trades Academy is by application and selection – see Careers Staff for details

LEVEL 3 SUBJECT OPTION SELECTION FOR 2023



Selecting subjects for Year 13 is an important decision! It can have a big impact on your future, and the qualifications you can earn next year, so be sure to think carefully, and discuss them with whānau, Deans, your Tutor and teachers if you wish.

In Year 13 there are **two** qualifications available that you can work towards:

- NCEA Level 3
- University Entrance (“UE”)

NCEA Level 3, like Level 2, requires **60 credits** at that level or higher (similar to what you’re doing this year).

UE has 3 requirements:

- Level 3, **including**:
- at least 14 credits in each of 3 ‘University approved’ subjects, **and**
- UE Literacy, consisting of at least 5 **UE Reading** and 5 **UE Writing** credits.

* Don’t let the word “University” distract you – you can still aim for and complete UE if you have no intention of studying at Uni! Think of it as “Level 3 Plus” 😊

It takes no more work or credits to complete UE than it does to complete Level 3. But rather than getting your 60 credits from anywhere, you earn them in **specific subject areas** in order to meet the UE criteria. In the majority of cases, it takes the **same number of assessments** to get Level 3 as it takes to get UE!

Year 12 going into Year 13

Choose any **five** subjects (your sixth subject will be AKO). It is possible to change subjects from those you are doing this year, but such choices must be carefully made – talk to Mr Milton if you have queries 😊

If you are targeting the **UE qualification**, you should choose a minimum of **three** subjects colour coded **BRIGHT ORANGE** to give yourself the best possible chance – *these should be subjects you enjoy and/or are good at.*

A mix of **BRIGHT ORANGE** and **BURNT ORANGE** coded subjects can also work – please discuss with Mr Milton and/or Deans.

Also be aware of subjects to help meet **UE Lit** requirements.

-> Admission to Trades Academy is by application and selection – see Careers Staff for details

If you have any questions, please feel free to talk to Mr Milton, the Careers staff, your Dean, your Tutor, and other staff you trust – we’re all here to help you 😊

FACULTY OF LANGUAGES

Te Tari o Reo Ā-Iwi

There is currently **one** Language available in mainstream at Level 3.

It is a UE approved subject.

LEA FAKA-TONGA (3TON)

To do this course...

Students should have completed Level 2 Lea Faka-Tonga
or demonstrate equivalent abilities (subject to approval from HOD Tongan Language).

What you do in this course...

You will continue to build key language skills in reading, writing and speaking, including an interaction task that develops conversational language. Through speech and formal writing you will also have the chance to explore aspects of the Tongan way of life and develop your appreciation of Tongan traditions and customs.

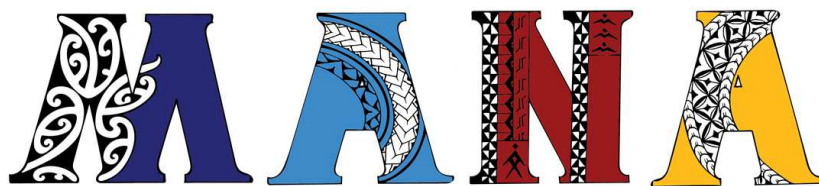
There is a mix of Internal and External assessments offered.

This is a good choice if...

- You have Tongan Language skills or a background in a Tongan language environment
- You are interested in exploring and endorsing Tongan traditions and customs
- You are able to work both independently and collaboratively with a strong work ethic
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

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FACULTY OF ENGLISH

Te Tari o Te Reo Ingarangi

There is **one** Level 3 course available in the Faculty of English.

It is a UE approved subject.



ENGLISH (3ENG)

To do this course...

Students should have Achieved the Level 2 Writing Achievement Standard (AS 91101) or have achieved at least one Level 2 external standard in English.

What you do in this course...

You will read and study **written texts** (e.g. novel, short story, poems, lyrics), and **visual texts** (e.g. film). You will have the chance to enhance your communication skills by developing and structuring essays and creative writing, as well as oral communication skills through formal speaking.

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You enjoyed English in Year 12
- You enjoy reading and writing-based tasks
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

FACULTY OF MATHEMATICS

Te Tari o Pāngarau

There are **three** Level 3 courses to choose from in the Faculty of Mathematics.

All three are UE approved subjects, including the Applied option.



APPLIED MATHS (3MAP)

To do this course...

Students should have achieved at least 8 credits in Level 2 Maths.

What you do in this course...

You will build on what you learnt in Level 2 Maths, and continue to develop skills in logical reasoning and problem solving. There are also topics in linear programming, critical path analysis and time series and bivariate data.

This course only offers Internal assessments.

This is a good choice if...

- You did OK at Maths in Year 12 and want to carry on with it
- You want to get better at number skills, mathematical tasks and learning
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

CALCULUS (3MAC)

To do this course...

Students should have achieved at least 12 credits in Level 2 Maths.

What you do in this course...

You will build on what you learnt in Level 2 Maths, and get to explore new areas like linear programming, conic sections and complex numbers. There are also topics in trigonometry, integration, differentiation and critical path analysis.

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You enjoyed Maths in Year 12
- You're a "numbers" person and you enjoy mathematical tasks and learning
- You are intending to study for qualifications that require it (for example, Engineering and Technology)
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

STATISTICS (3MAS)

To do this course...

Students should have achieved at least 12 credits in Level 2 Maths.

What you do in this course...

You will build on what you learnt in Level 2 Maths, and get to explore new areas like linear programming, statistical reports and analysis or probability. There are also topics in bivariate data, simultaneous equations and time series.

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You enjoyed Maths in Year 12
- You're a "numbers" person and you enjoy mathematical tasks and learning
- You are intending to study for qualifications that require it (for example, Business or Health Sciences)
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

Te Tari o Pūtaiao

There are **five** Level 3 courses to choose from in the Faculty of Science. ***Four are UE approved subjects.***

Achievement Standard credits in Level 3 Sciences can be combined together by NZQA across the different sciences in order to reach the University Entrance target. Any student choosing Biology, Chemistry or Physics is encouraged to also select a second science option, in order to be able to take advantage of this opportunity.



BIOLOGY (3BIO)

To do this course...

Students should be in Health Academy
or have achieved at least 10 credits in Level 2 Biology
or achieved NCEA Level 2 and wishes to take Biology at Level 3.

What you do in this course...

You will explore a number of fascinating Biology topics, in order to develop a greater awareness of who we are, where we come from and how we and other animals operate within our environment.

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You enjoyed Biology in Year 12
- You're a "Science" person and you enjoy biology and science-based tasks and learning
- You are intending to study for qualifications that require it (for example, Nursing)
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Externals)

CHEMISTRY (3CHE)

To do this course...

Students should be in Health Academy
or any other student who has completed Level 1 Science and Level 2 Chemistry courses.

What you do in this course...

You will build on what you learnt in Level 2 Chemistry, and look at topics including the synthesis and properties of organic compounds and their spectroscopic analysis, electrochemistry, structure and thermochemical properties of selected particles, the dynamics of aqueous chemistry and a consideration of chemical processes in the world around us.

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You enjoyed Chemistry in Year 12
- You're a "Science" person and you enjoy chemistry and science-based tasks and learning
- You are intending to study science at tertiary/university level
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Externals)

PHYSICS (3PHY)

To do this course...

Students should be in Health Academy
or students who completed the Level 2 Physics course and gained a minimum of 7 credits.

What you do in this course...

This course provides you with the understanding of Physics concepts and phenomena relating to the core components, including Modern Physics, wave systems, mechanical systems, electrical systems and practical investigation.

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You enjoyed Physics in Year 12
- You're a "Science" person and you enjoy physics and science-based tasks and learning
- You are intending to study for qualifications that require it (for example, Engineering)
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Externals)

SCIENCE (3SCI)

To do this course...

Students should have achieved at least 12 credits in a Level 2 Science course.

What you do in this course...

You will build knowledge and skills about practical applications for Physics, Biology, and Earth and Space Science. This will be done through a mix of practical and written work.

This course only offers Internal assessments.

This is a good choice if...

- You enjoyed Science in Year 12
- You're keen to build and develop your science skills
- You like a range of different science areas, rather than specialising in one
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

HORTICULTURE (3HOR)

To do this course...

Students should have successfully completed the Level 2 Horticulture course.

What you do in this course...

You will build knowledge about practical applications for horticulture and agriculture, and this will include doing practical and written work around the life cycle of plants, weed control, soil properties and different plant types and their uses.

This course only offers Internal assessments.

This is a good choice if...

- You enjoyed Horticulture in Year 12
- You're keen on working outdoors, you enjoy practical 'hands-on' work, and you're not afraid to work hard!
- You are looking at attaining Level 3

On the Subject Pathway Map, this subject leads to NCEA Level 3

FACULTY OF SOCIAL SCIENCES

Te Tari o Taiao Pāpori

There are **six** Level 3 courses to choose from in the Faculty of Social Sciences – three in Humanities and three in Commerce. **Five are UE approved subjects.**

ACCOUNTING (3ACC)

To do this course...

Students should have successfully completed the Level 2 Accounting course, gaining at least 14 credits.

What you do in this course...

You will explore the planning and management of businesses, especially the financial aspects. Topics covered include accounting concepts, financial reports and understanding Partnerships and Companies.

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You're interested in business and financial work
- You enjoy hard work and developing analytical skills
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Externals)

BUSINESS STUDIES (3BST)

To do this course...

Students must have at least 15 credits in Accounting, Economics or Business Studies at Level 1 or 2.

What you do in this course...

You will gain more understanding of financial capability and how business operates in the real world. Topics covered include product design and planning, exporting of goods and services and Human Resource Management (HRM) in New Zealand.

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You're interested in business activity, even as a potential career
- You can work both independently and as part of a team
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

GEOGRAPHY (3GEO)

To do this course...

Students should have successfully completed the Level 2 Geography course.

It is possible for students who haven't studied the subject before to join the course, but they will need to be hard working and have the permission of the HOD Geography.

What you do in this course...

You will develop an understanding of:

- analysing a contemporary geographic issue (student choice of topic)
- analyse how natural or cultural processes interact and shape an environment
- analysis of a global pattern (student choice of topic)
- the selection and application of geographic skills and ideas

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You're interested in geography, global issues and solutions thinking
- You enjoy reading and writing-based tasks
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Externals)

HISTORY (3HIS)

To do this course...

Students must have an interest in History and enjoy reading and writing critically and creatively.

What you do in this course...

You will study the themes of colonisation, imperialism, and social liberation in these contexts:

- American history through Black eyes (*this course covers the period from before slavery to the Presidency of Donald Trump*)
- Polynesian Panthers and Dawn Raids
- Treaty of Waitangi and the Waikato Wars

There is a mix of Internal and External assessments offered.

This is a good choice if...

- You're interested in history, world events and critical thinking
- You enjoy reading and writing-based tasks
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

FACULTY OF THE ARTS

Te Tari o Ngā Toi

There are **eight** Level 3 courses to choose from in the Faculty of The Arts – five in Visual Arts and three in Performing Arts. **All eight are UE approved subjects.**



PAINTING (3PAI)

To do this course...

Students should have interest and talent in painting and drawing. It would be useful if students have completed Level 1 Art and Level 2 Painting, but students who have talent or a strong interest in Art are also welcome.

What you do in this course...

You will develop your current skills in painting, and learn about where ideas for artworks come from. You will also learn how to develop your own ideas through learning about self-selected artists' themes, ideas and technique. The main aspects in the course will be painting technique, idea development, and understanding the meaning of Art.

You would need to attend after school tutorials.

Assessment for this course is a mix of Internal standards and a completed Folio of work from across the year.

This is a good choice if...

- You're interested in painting and its techniques
- You enjoy artistic and creative expression, especially through drawing and painting
- You have a strong work ethic and solid time management
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Folio)

PRINTMAKING (3PRI)

To do this course...

Students should have an interest in drawing and enjoy working with their hands. It would be useful if students have completed Level 1 Art and Level 2 Printmaking, but students who have talent or a strong interest in Art are also welcome.

What you do in this course...

You will learn about printmaking technique and develop your current skills. You will explore where ideas for artworks come from by learning about artist models and ways of working visually. This will help you to develop your own ideas through learning about self-selected artists' themes, ideas and technique.

You would need to attend after school tutorials

Assessment for this course is a mix of Internal standards and a completed Folio of work from across the year.

This is a good choice if...

- You're interested in printmaking and its techniques
- You enjoy artistic and creative expression, especially working with your hands
- You have a strong work ethic and solid time management
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Folio)

PHOTOGRAPHY (3PHO)

To do this course...

Students should have completed Level 2 Photography or have knowledge of how to use the manual settings of the camera, with some basic knowledge of using post-production software (eg. Photoshop).

What you do in this course...

You will refine and develop your current skills in image making and will learn how to communicate ideas through pictorial conventions such as composition, camera angle, framing, format, contrast etc. You will also learn how to develop your own ideas through learning about self-selected artists' themes, ideas and technique

You will need to be able to think independently, creatively and imaginatively to develop your own ideas.

You would also need take photographs in your own time and attend after school tutorials.

Assessment for this course is a mix of Internal standards and a completed Folio of work from across the year.

This is a good choice if...

- You're interested in photographic techniques and processes
- You enjoy thinking independently, creatively and imaginatively
- You have a strong work ethic and excellent time management
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Folio)

CULTURAL ART (3CUA)

To do this course...

Students should have interest and ability in cultural art and design; having completed the Level 2 Culutral Art course would also be useful.

What you do in this course...

You will build on and refine skills learnt in Level 2 Cultural Art. You will continue to explore Māori and Pasifika designs and knowledge, using sculpture-making skills appropriate to your work – this could include using papier-mâché, paper and card, clay or plaster of Paris, and using *raranga* and *whatu* skills to create work.

You would need to attend after school tutorials.

Assessment for this course is a mix of Internal standards and a completed Folio of work from across the year.

This is a good choice if...

- You're interested in sculpture and its principles
- You enjoy artistic and creative expression, especially in a cultural context
- You have a strong work ethic and solid time management
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Folio)

ART DESIGN (3DES)

To do this course...

Students should have completed Level 2 Art Design, and enjoy drawing, designing visual effects and the elements of design.

What you do in this course...

You will extend your understanding of conventions and art terminology in relation to the field of design and learn your way around Adobe Photoshop and Illustrator to create your own imagery.

You will design logos, advertising, posters, and magazine layouts and other industry-based ways of working. You will choose a theme to work with for the year. You will need to think in a creative and innovative way to refine ideas and consider which elements and visual effects may be required to attract a specific audience.

You would also need to do homework and attend after school tutorials.

Assessment for this course is a mix of Internal standards and a completed Folio of work from across the year.

This is a good choice if...

- You're interested in design and design elements
- You enjoy thinking independently, creatively and imaginatively
- You have a strong work ethic and excellent time management
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals & Folio)

DANCE (3DNC)

To do this course...

Students must have an interest in Dance and be prepared to share work informally and formally. ***This course involves performing to a live audience.***

What you do in this course...

You will build knowledge and understanding in a selection of dance genres as well as developing choreographic and performance skills. Your work will cover choreography, group performance and solo dance, and also working as a team to develop a contrasting repertoire of dances that can be performed repeatedly.

You will need to have a good attendance rate in order to meet rehearsal and performance requirements.

This course only offers Internal assessments.

This is a good choice if...

- You're interested in dance and its processes
- You enjoy expressing yourself creatively through performance
- You have a strong work ethic and excellent time management
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

MUSIC (3MUS)

To do this course...

Students must have at least 7 credits in Level 2 Music standards
or have had a minimum of four years of instrumental tuition
or demonstrate equivalent abilities (subject to approval from HOD Music).

This course involves performing to a live audience, and requires commitment to weekly instrumental tuition.

What you do in this course...

You will focus on developing instrumental/vocal performance skills, as a soloist and a member of a group. You will also work on all-round musicianship – training the ear to recognize and analyse musical features and elements as well as improving individual ability to read, write and analyse notation from a variety of scores.

You will also have the opportunity to develop compositional and arranging skills, using Sibelius software.

You will need to have a good attendance rate in order to meet rehearsal and performance requirements.

This course only offers Internal assessments.

This is a good choice if...

- You're interested in musicianship and its processes
- You enjoy expressing yourself creatively through performance and/or composition
- You have a strong work ethic and excellent time management
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

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MANA when:

- We care about ourselves, our learning and each other
- We contribute positively, respectfully and supportively
- We make effort and ask for help
- We are focussed and committed learners who are striving for success
- Right place, right time, all day, every day 😊

We're all about



FACULTY OF HEALTH & PHYS ED

Te Tari o Hauora

There are **four** Level 3 courses to choose from in the Faculty of Physical Education.

Three are UE approved subjects.

ADVENTURE LEADERSHIP (3ADV)

To do this course...

Students must have good levels of attendance, and commit to participating in all outside provider courses, physical trainings and leadership qualifications.

What you do in this course...

You will develop and improve leadership skills and physical fitness, as well as learning and developing resilience. This course involves outdoor activities including tramping, sailing and other high-intensity physical challenges.

You will need to maintain attendance at 90% or better in order to meet course requirements.

This course only offers Internal assessments.

This is a good choice if...

- You're interested in physical activity and learning outdoors
- You enjoy developing physical fitness and leadership skills
- You have a strong work ethic and excellent time management
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

SPORTS LEADERSHIP (3SPL)

To do this course...

Students should have completed the Level 2 Sports Leadership course, and are interested in completing Manukau Institute of Technology's advanced sport and recreation programmes.

What you do in this course...

You will have the opportunity to develop effective delivery skills in the practical sport and recreation environment, gaining an increased knowledge of the sport and recreation area. You will also develop specific sport skills, both in delivery and as a participant.

This course only offers Internal assessments.

This is a good choice if...

- You're interested in physical activity and sport
- You have an interest in a future study or a career pathway in sport and recreation
- You are looking at attaining Level 3

On the Subject Pathway Map, this subject leads to NCEA Level 3

HEALTH (3HEA)

To do this course...

Students should have completed Level 2 Health
or demonstrate equivalent abilities (subject to approval from HOD Health).

What you do in this course...

You will build knowledge in the four underlying Health concepts of *hauora*, attitudes and values, the socio-ecological perspective, and health promotion. Your topics of study will include analysing alcohol use by 15-24-year olds in New Zealand, evaluating health practices used in New Zealand, analysing a contemporary ethical issue (*abortion, euthanasia, or same sex marriage*) and analysing Type 2 Diabetes in the South Pacific.

This course only offers Internal assessments.

This is a good choice if...

- You're interested in the health field and/or health professions
- You enjoy reading and writing-based tasks and have solid research skills
- You are able to work both independently and collaboratively
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

PHYSICAL EDUCATION (3PHE)

To do this course...

Students should have completed Level 2 Physical Education, with competent reading and writing skills to complete written project submissions.

What you do in this course...

You will reflect on your past physical activity experiences to devise strategies for lifelong well-being as an adult through physical activity, and discover a variety of contemporary leadership models and principles. Your class will also work together as a committee, using a "Health Promotion Model" to plan, run and review an event for 6 weeks for a chosen target group. Planning and running this event will involve practising and evaluating leadership models.

You will commit to playing in an ongoing inter-school competition, to demonstrate quality performance in a School Sports Team.

This course only offers Internal assessments.

This is a good choice if...

- You're interested in the theory and process of Physical Education
- You are able to work both independently and collaboratively
- You have the reading and writing skills needed to complete written project submissions
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

FACULTY OF TECHNOLOGY

Te Tari o Hangarau

There are **four** Level 3 courses to choose from in the Faculty of Technology. ***One is a UE approved subject.***

DIGITAL TECHNOLOGY (3DTE)

To do this course...

Open to all students; however, successfully completing Level 2 DTE would be beneficial.

What you do in this course...

This course aims to transform you from consumers of digital technology into creators of digital technology. You will learn how to propose, design and develop a digital technologies outcome, and will then reflect on the planning, processes, and development methods that you use.

You will need to be able to work independently, and think creatively and critically to develop ideas.

You will be required to work on tasks to completion outside of class time.

There is a mix of Internal and External assessments offered. Written work will be required to complete assessment.

This is a good choice if...

- You have a strong interest in IT and digital technology
- You are interested in exploring future careers in the IT industry
- You are able to work both independently and creatively with a strong work ethic
- You are looking at attaining UE

On the Subject Pathway Map, this subject is University Approved (14 credits possible from Internals)

CONSTRUCTION TECHNOLOGY (3CON)

To do this course...

Students should have previously completed a practical Level 2 subject in Technology.

What you do in this course...

You will construct projects using wooden components where higher levels of thinking will be involved. You will be required to measure, mark out, cut and assemble wooden parts and hardware while working independently. You will solve problems and enjoy making things with your hands.

This course only offers Internal assessments. Written work will be required to complete assessment.

This is a good choice if...

- You're interested in developing construction skills and techniques
- You enjoy 'hands-on' practical work
- You have an interest in a future study or career pathway in the construction industry
- You are looking at attaining Level 3

On the Subject Pathway Map, this subject leads to NCEA Level 3

MECHANICAL ENGINEERING (3MEC)

To do this course...

Students should have previously completed a practical Level 2 subject in Technology.

What you do in this course...

You will construct small projects using metal components where higher levels of thinking will be involved. You will be required to measure, mark out, cut, assemble and weld metal parts while under supervision. You will solve problems and enjoy making things with your hands, including using welding processes.

This course only offers Internal assessments. Written work will be required to complete assessment.

This is a good choice if...

- You're interested in developing engineering and welding skills and techniques
- You enjoy 'hands-on' practical work
- You have an interest in a future study or career pathway in the mechanical engineering industry
- You are looking at attaining Level 3

On the Subject Pathway Map, this subject leads to NCEA Level 3

HOSPITALITY (3HOS)

To do this course...

Open to students who have gained Unit Standard 167 (*Food Safety Methods*) in Level 2.

What you do in this course...

You will learn culinary terms and will be able to cook complex dishes, understand the importance of *mise-en-place*, and many more techniques that put you ahead when looking at moving into the hospitality industry. You will work on things like food safety in a business, knowledge of culinary products and terms, food contamination hazards, and control methods used in a food business, coffee origin and production and presenting complex sandwiches for service.

This course only offers Internal assessments. Written work will be required to complete assessment.

This is a good choice if...

- You're interested in developing hospitality skills and techniques
- You enjoy 'hands-on' practical work
- You have an interest in a future study or career pathway in the hospitality industry
- You are looking at attaining Level 3

On the Subject Pathway Map, this subject leads to NCEA Level 3

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