



Te Kura Tuarua o Horomaka ♦ Hillmorton High School
Inspiring academic excellence, leadership and a love of learning

Course Book

Level 3

2021

Level Three NCEA vs University Entrance

Level Three NCEA

Students should expect to complete Level Three NCEA during Year 13. This builds upon their Level Two NCEA and requires 60 Level Three credits. Any combination of Level Three Standards is sufficient to achieve this.

University Entrance (UE)

UE gives students direct entry into most Bachelor's degree courses at universities and polytechnics in New Zealand.

University Entrance is also a qualification recognised outside universities, and has credential value even for students who do not intend studying at university directly from school.

UE requires students to pass Level Three NCEA *including*;

- 14 credits in each of three '*university approved*' subjects. These are identified with * on the list below.
- Five Reading credits (available from a range of specifically nominated Achievement Standards in a range of subjects)
- Five Writing credits (available from a range of specifically nominated Achievement Standards in a range of subjects)
- 10 Numeracy credits from Level One

Prerequisites for specialist Bachelor's degree courses (University & Polytechnic)

Some specialist Bachelor's degrees have additional Level Three requirements for entry. Eg. Engineering at the University of Canterbury requires students to have 14 credits in Maths with Calculus and 14 credits in Physics.

In addition to meeting the minimum UE Literacy requirement, it is recommended that students contemplating university study include at least one 'English-rich' subject in their L3 study.

Students are offered individual guidance in their course selection from Year 11 onwards to ensure that they are aware of any prerequisites for their proposed pathways.

Tertiary Scholarships

In addition to universal first year fees free entitlements, students entering into tertiary education after Year 13 may have an opportunity to receive financial support (scholarship) for their tertiary studies. This support is provided by community organisations, government agencies, businesses and universities. The awarding of these scholarships can be determined by specific examination results, NCEA Excellence, community involvement, leadership, sporting success and equity considerations for some groups. The school offers support to students applying for scholarships.

THE CAREERS CENTRE

All Year 13 students receive at least two scheduled career interviews. All students are encouraged to make contact if they have any questions about career planning at any time.

The Careers Centre offers a range of taster courses and experiences including visits to polytechnics and universities throughout the year. Students are expected and helped to explore career ideas while at school.

All Year 13 students are required to attend a weekly Careers Meeting. This is an opportunity for them to meet representatives from universities, polytechnics, industry and government agencies.

Any students planning tertiary study when they leave school will be guided through the enrolment process. Students are expected to create a CV before they leave school. Assistance is available for students who need it.

All Year 13 students will be accompanied to the annual Careers Expo at the Horncastle Arena.

STAR Courses

STAR courses are provided by outside agencies including polytechnics, universities and private providers and enable students to gain NCEA credits by participating in experiences relevant to their career plan. There is no cost to students. STAR courses are administered by Mrs Partel in the Careers Centre.

Gateway Programme (Level Two and Three)

The Gateway programme provides an opportunity for students to explore their career ideas through weekly workplace experiences, while still continuing their high school education. As with STAR courses, there is no cost to the student. The Gateway programme is administered by Mrs Stanley in the Careers Centre.

What to consider when selecting Level 3 subjects

- Are there prerequisites for this subject?
- Will I be able to maintain enthusiasm in this subject for the whole year?
- Do I need UE Literacy and if so does this combination provide it?
- Do I need UE and if so, does this combination include at least three UE approved subjects?
- Does this prepare me for any further tertiary study I am considering?
- For some subjects, there are course contribution costs. These are listed in this course book.

Year 13 Course Selection 2021 - Summary

Students study five or six subjects to gain 60 credits for Level Three NCEA

Choose at least **five** subjects from the list below

- Painting *
- Photography & Design *
- Accounting *
- Business Studies *
- Dance *
- Digital Skills
- Digital Technology *
- Production & Performance *
- English Language
- English Literature *
- Culinary Arts

- Food & Nutrition *
- Textiles Technology *
- Japanese *
- Spanish *
- Mathematics with Calculus *
- Mathematics and Statistics *
- Music *
- Healthy people...healthy country? *
- Physical Education *
- Biology *

- Chemistry *
- Physics *
- Conquering - Greek & Roman Style *
- Geography *
- History *
- Tourism
- Design and Visual Communication *
- Technology Engineering
- Technology Wood
- Directions Future Options



* Denotes '*University Approved*' course (for UE)

Timetable clashes

Every attempt is made to accommodate all subject combinations selected by students. Unfortunately, there are occasions when timetable clashes make some combinations impossible. When this happens, students will be consulted and guided in selecting an alternative subject combination.

Art

3ART	3	8	12	\$70
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University or Polytechnic study including: Fine Arts Art and Design	Must have gained at least 12 Credits in L2 Art
Contact: engc@hillmorton.school.nz	
UE approved	



This course extends on the L2 Art course by enabling students to either produce their own body of work or complete the more directed class programme.

Course components

- Explore the ideas and techniques in painting over a full-year course
- Develop your own art practice or expand on previous works
- Discover new artist models and methods in class and on class trips to galleries



3PHO	3	8	12	\$140
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
Polytechnic study including: Visual Arts	L2 Photography or HOD Approval
Contact: engc@hillmorton.school.nz	
UE approved	

This course builds on L2 Photography and Design. Students will use the latest software to create an external folio.

Course components

- Explore the ideas and techniques in Design or Photography over a full year course
- Develop your own practice or expand on previous works
- Discover new artist models and methods in class and on class trips to shoot on location
- Opportunities for Designers to work with real world clients
- Students are expected to attend a holiday workshop at YOUNG to learn Adobe creative software suite



Commerce

3ACC	3	13	9	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University or Polytechnic study Business Administration	2ACCa and 2ACCb
Contact: william@hillmorton.school.nz	
UE approved	



This course is for students wanting to extend their Level 2 Accounting skills and knowledge.

Course components

- Learn how Partnerships and Companies are able to measure profits
- Discover the difference between Tax evasion and Tax avoidance - how can businesses manage taxes within the law?
- Find out how good accounting practices can help businesses and investors make great financial decisions
- Decide if you should buy shares in a specific company



3COM	3	21	0	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University or Polytechnic study Business Administration Business start ups	L2 NCEA
Contact: willame@hillmorton.school.nz	
UE approved	

This course is for students wanting to experience a practical approach to Business enterprise.

Course components

- Investigate successful business and innovation examples
- Develop your own innovative thinking skills to come up with business ideas for your team
- Plan, design, produce, market and sell your groups chosen product as part of a 3 term project
- Present your business plan at a Dragons Den event



Dance

3DAN	3	18	4	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
Hagley Dance Company NASDA courses at Ara	L2 Dance or TIC Approval
Contact: mcgrathd@hillmorton.school.nz	
UE approved	

This course is designed to develop choreographic skills to create imaginative and purposeful dance.


Course components

- Choreograph a dance piece that shows meaning and purpose
- Develop skills manipulating dance elements and choreographic devices
- Explore movement material through dance improvisation exercises



Digital Technology

3DTS	3	17	0	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
Practical workplace skills for Business Administration	Level 2 Digital Technology, Digital Skills or TIC Approval
Contact: begleym@hillmorton.school.nz	

This course is for those who want to learn the skills needed to create outcomes using a computer.

Course components

- Create a series of digital products such as a database, a spreadsheet and a word processed document
- Develop a multimedia presentation
- Create a series of desktop published documents



3DTY	3	17	3	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University or Polytechnic study including: Web Development Information Systems Graphic Design IT Support Digital Humanities	L2 Digital Technology or TIC Approval
Contact: begleym@hillmorton.school.nz	
UE approved	

This course is designed for those who want to learn about the technological process of creating Digital outcomes.

Course components

- Develop a complex/relational database and present data with an interactive interface
- Develop and create a print media product using XML, InDesign and Photoshop image editing software
- Create an analysis of developing a digital outcome
- Investigate the use of digital applications in leisure



Drama



Production and Performance

Course type: Drama

3DRA

3

18

4

\$40

Course

Level

Int cr

Ext cr

Course contribution



Pathways

Ara Broadcasting School
Toi Whakaari Drama School (Wellington)
Unitech Drama School (Auckland)
Hagley Theatre Company (Christchurch)



Entry requirements

L2 Drama or by audition and HOD Approval

Contact: mcgrathd@hillmorton.school.nz

UE approved

This course is designed for students who want to develop theatre making and performance skills.



Course components

- Learn how to create an original piece of theatre for a specific audience
- Develop and perform a substantial role in a major Senior Production
- Prepare, rehearse and perform a scene from a full-length play in 'Dramatality'
- Research and explore a distinct style of theatre



English

3ELL	3	20	0	\$0
Course	Level	Int cr	Ext cr	Course contribution

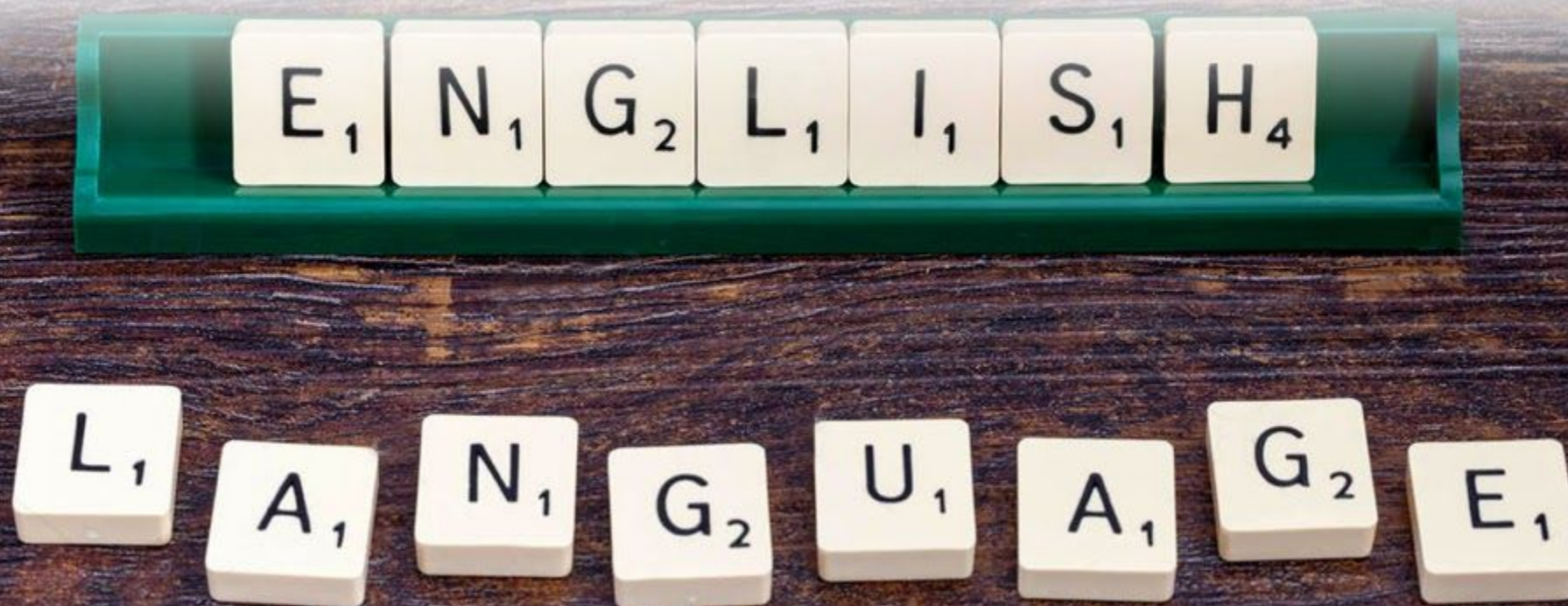
	
Pathways	Entry requirements
L3 NCEA Contributes to NZ Certificate in English Language Tertiary study at Ara	English must not be your first language Entry is with HOD Approval

Contact: bennettk@hillmorton.school.nz



The course covers skills in listening, speaking, reading and writing to develop students' English, and support their future studies.

Course components

- Develop conversation and presentation skills
- Experience English in text and media contexts
- Use written English for different purposes



3ENL	3	13	8	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University study including: Media & Communication Cinema studies Digital humanities Law	14 Credits in Level 2 English, including one External

Contact: hottera@hillmorton.school.nz
UE approved

This course explores English Literature and the English Language



Course components

- Study a novel
- Analyse and compare poems, short stories and articles
- Explore literary criticism (for example, Feminist and Marxist criticism)
- Develop academic writing skills
- Choose to deliver a speech/seminar OR to produce a digital visual presentation



Food and Textiles

3CLN	3	18	0	\$130
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
Polytechnic Cookery courses Apprenticeships Full-time and part-time jobs in the hospitality industry	L2 Culinary Arts or HOD Approval

Contact: brownh@hillmorton.school.nz

This course teaches advanced cookery skills used in the commercial hospitality industry.

- Course components
- Learn advanced bakery skills
 - Develop production cookery skills
 - Prepare dishes for school functions
 - Explore a variety of international cuisines
 - Gain food safety qualifications for part time employment





Food and Nutrition

Course type: Food and Textiles

3FDN

3

15

4

\$150

Course

Level

Int cr

Ext cr

Course contribution



Pathways

University or Polytechnic study including:
Dietetics
Human Nutrition
Food Science
Food Technology



Entry requirements

L2 Food and Nutrition and English is recommended, or HOD Approval

Contact: omerig@hillmorton.school.nz

UE approved

This course explores key influences in NZ society related to food and allows students to propose practical strategies to address food related ethical dilemmas.

Course components

- Investigate a nutritional issue
- Analyse the influence of food advertising
- Analyse a food related ethical dilemma
- Investigate the influence of multinational food corporations on eating patterns



3TEX	3	15	4	\$100
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University or Polytechnic studies including: Fashion & Design Apprentice Fashion Designer Costume Designer Seamstress Fashion	L2 Textiles Technology
Contact: napolitano@hillmorton.school.nz	
UE approved	

This course extends skills learned in Level 2 Textiles, incorporating advanced procedures such as the use of the laser cutter and electronics.

Course components

- Develop your Textiles and Design skills using electronics
- Develop your visual presentation/portfolio skills
- Make your own outfit for the school formal



Learning Languages

3JPN	3	14	10	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University or Polytechnic study Travel industry Interpreter Working in Japan Foreign Affairs International Business	L2 Japanese or HOD Approval

This course builds on the skills learnt in earlier years.

Course components

- Use essential Japanese grammar with confidence
- Gain marketable communication skills
- Participate in the school's biennial trip to Japan (optional)

Contact: leey@hillmorton.school.nz

UE approved



3SPN	3	14	10	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University or Polytechnic study Travel Industry Interpreter/Translator Work overseas Foreign Affairs International Trade	L2 Spanish or HOD Approval

Contact: albar@hillmorton.school.nz

UE approved

This course builds on the skills learnt in earlier years.

- Course components
- Use Spanish with confidence
 - Gain marketable communication and intercultural skills
 - Participate in the school's biennial trip to a Spanish speaking country (optional)



Mathematics and Statistics



Mathematics with Calculus

Course type: Mathematics and Statistics

3MAC

3

10

17

\$20

Course

Level

Int cr

Ext cr

Course contribution



Pathways

University study including:
Mathematics
Engineering
Physics
Computer Science
Econometrics

Entry requirements

Must have achieved Level 2 Algebra and Calculus or HOD Approval

Contact: galwayr@hillmorton.school.nz

UE approved

This course is for those who do well in Maths and enjoy a challenge. Required for specific university courses needing Maths.

Course components

- Solve and analyse a variety of problems using algebra and complex numbers
- Solve trigonometric problems by applying mathematical concepts
- Develop an understanding of calculus and apply this knowledge to real world problems
- Find the best solution or solutions for problems when given a variety of constraints





Mathematics and Statistics

Course type: Mathematics and Statistics

3STA

3

12

8

\$0

Course

Level

Int cr

Ext cr

Course contribution



Pathways

University or Polytechnic study including:
Sciences
Health Sciences
Commerce
Agriculture
Data Science



Entry requirements

Must have achieved Level 2 Statistical Inference and Probability or HOD Approval

Contact: galwayr@hillmorton.school.nz

UE approved

This course is for those who need an understanding of how statistics are used for decision making. Helpful for specific tertiary courses needing Statistics.



Course components

- Analyse data to make conclusions about a population
- Analyse data to make predictions about the future
- Analyse data to find relationships between two variables
- Develop and apply probability concepts and distributions to solve problems
- Solve and analyse a variety of problems using algebra, including finding optimal solutions



Music

3MUS	3	28	0	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University or Polytechnic study Musical Performance Music Production	L2 Music or HOD Approval
Contact: bainbridgg@hillmorton.school.nz	
UE approved	

This course is for students wanting to perform, create or study music in live or virtual situations.



Course components

- Perform as a featured soloist or as a member of a group
- Compose original pieces of music, or original songs



Māori

3MAO	3	16	0	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
	2MAO
Contact:	



This course explores the Language and Tikanga of Te Reo Māori through a range of activities.

- Course components
- This course builds on previous knowledge of Te Reo and Tikanga
 - Assessment and Unit standards are selected in response to individual learning needs
 - Participate in Manu Kōrero speech competition (optional)



Physical Education & Health

3HLT	3	14	5	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
University Study Degree courses at Ara Community Health Worker Health Promoter	L2 Health and L2 English or HOD Approval
Contact: ruscoem@hillmorton.school.nz	
UE approved	

This course develops awareness of Health and bigger picture pathways and generating a healthier society to life.

Course components

- Investigate health conditions, impairments and or injuries
- Analyse treatment options for a chosen health condition
- Discover pathways into health and wellbeing of the community
- Explore NZ health issues and strategies to improve a country's health status
- Analyse a contemporary ethical issue and debate effects on wellbeing and society





Physical Education

Course type: Physical Education & Health

3PED

3

21

0

\$0

Course

Level

Int cr

Ext cr

Course contribution



Pathways

University or Polytechnic study including:
Sport Coaching
Sport Management
Sports Science
Fitness Instructor
Nursing



Entry requirements

L2 PE and English or HOD Approval

This course is for students wanting to physically push themselves, develop their coaching abilities and explore sporting issues that impact on our society.

Course components

- Learn about how and why the body is able to do what it can
- Learn how to build your body for an extreme task
- Develop your coaching and leadership abilities
- Research why violence and drugs are prevalent in sport and its impact on New Zealand society
- Inquire into how New Zealand relates to topics like Early Specialisation and Nature vs Nurture, compared to the world

Contact: ruscoem@hillmorton.school.nz

UE approved



Science



Biology

Course type: Science

3BIO

3

10

8

\$170

Course

Level

Int cr

Ext cr

Course contribution



Pathways

Nursing, Health
Science
Veterinary Science
Animal, Plant, Marine
Biology
Conservation and
Ecology
Agriculture
Horticulture



Entry requirements

12+ Credits in Level 2
Biology (including at
least 1 external
standard) or HOD
Approval

Contact: snyderm@hillmorton.school.nz

UE approved

This course looks at many aspects of life - from within organisms to populations changing over time.

Course components

- Investigate a stream ecosystem
- Learn how humans and other animals regulate their body systems, such as keeping temperature and blood glucose levels constant
- Research a biological issue and evaluate the implications and possible actions
- Explore the processes by which species change and new species are formed
- Discover the evolutionary history of humans





Chemistry

Course type: Science

3CHE

3

6

10

\$30

Course

Level

Int cr

Ext cr

Course contribution



Pathways



Entry requirements

Nursing
Health Science
Food Science
Industrial Science
Pharmaceuticals
Wine and brewing science
Soil Science
Chemical Engineering

12+ Credits in L2 Chemistry (including at least 1 external standard) or HOD Approval

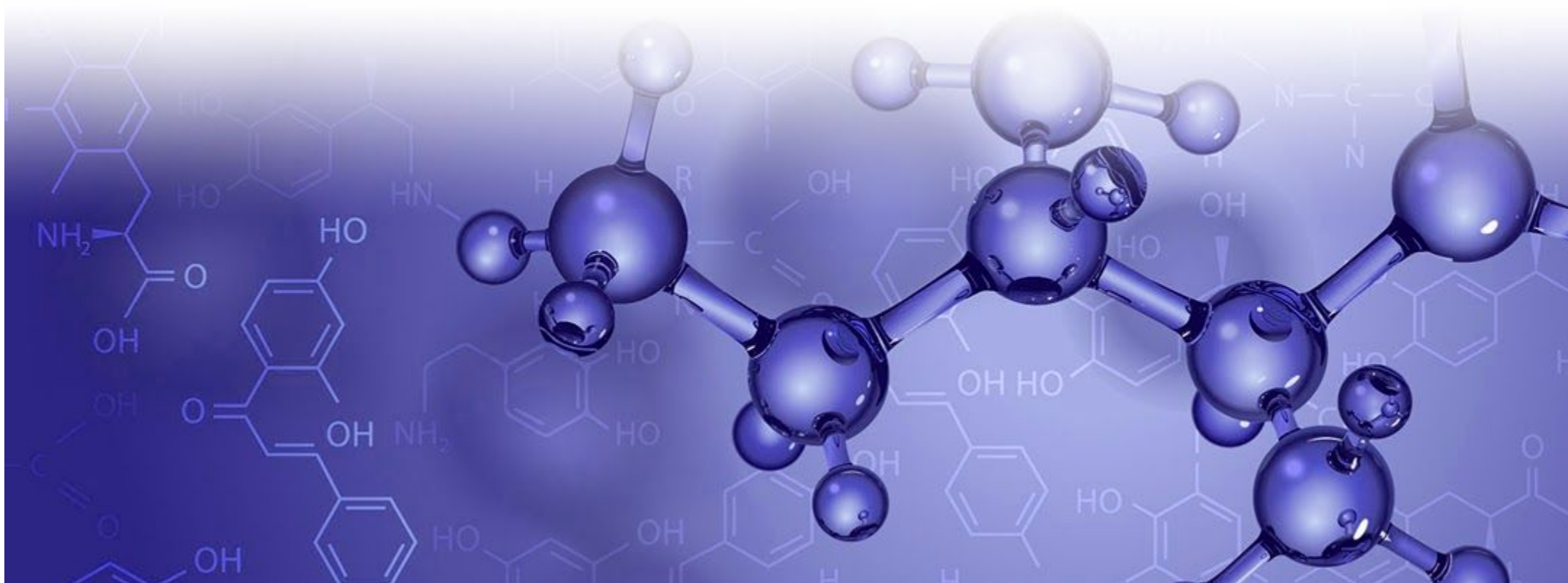
Contact: fernandess@hillmorton.school.nz

UE approved

This course develops students' in-depth knowledge of the material world.

Course components

- Research the importance of oxidation-reduction in the world
- Build on knowledge of organic compounds
- Determine how the structure of organic compounds can be identified
- Build knowledge of equilibrium and equilibrium principles in aqueous systems





Physics

Course type: Science

3PHY

3

3

16

\$30

Course

Level

Int cr

Ext cr

Course contribution



Pathways

Engineering
Health Science
Science and
Technology
Meteorology
Astronomy
Mechatronics
Electrical



Entry requirements

12+ credits in Level 2
Physics including at
least 1 external
standard, or HOD
Approval

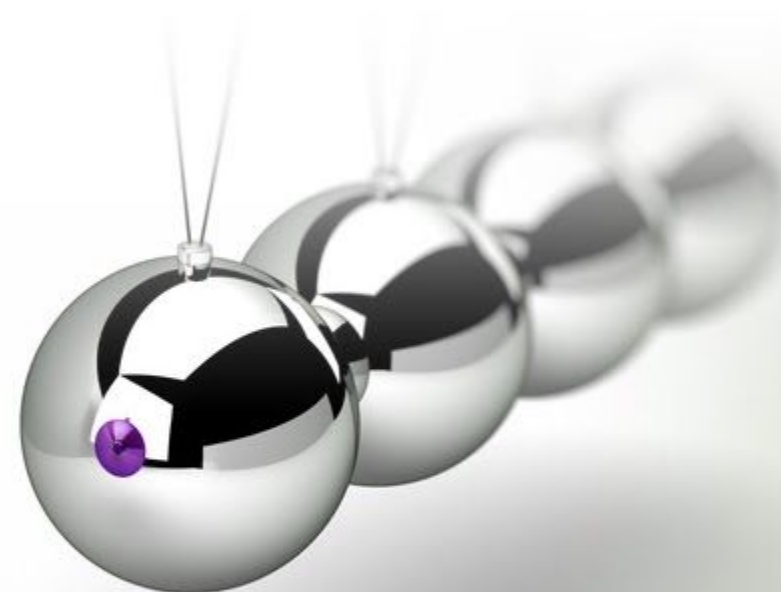
Contact: coumbew@hillmorton.school.nz

UE approved

This course provides in-depth understanding of key Physics concepts.

Course components

- Learn about Modern Physics phenomena such as the photoelectric effect, spectral lines and nuclear binding energy
- Study wave phenomena such as interference and acoustics
- Expand on the mechanics and electromagnetism ideas developed in Level 2



Social Sciences



Conquering - Greek and Roman Style

Course type: Social Sciences

3CLS

3

12

8

\$0

Course

Level

Int cr

Ext cr

Course contribution



Pathways

University study including:
Political Science
Law
Classics



Entry requirements

12+ Credits in a Level 2 Social Science subject or HOD Approval

Contact: coulbeck@hillmorton.school.nz

UE approved

This course examines the achievements and accomplishments of the civilisations of Ancient Greece and Rome.

Course components

- Study the achievements of Alexander the Great
- Learn about key pieces of Roman Art and Architecture
- Analyse the concept of heroism from ancient to modern times





Geography

Course type: Social Sciences

3GEO

3

14

8

\$160

Course

Level

Int cr

Ext cr

Course contribution



Pathways

University study including;
Environmental Science
Environmental Policy
Resource Management
Agriculture



Entry requirements

L2 Geography or
HOD Approval

This course explains what you see around you in NZ and in the world news; from social issues and events to the natural processes of volcanoes and coastlines.

Course components

- Plan and manage significant events
- Analyse maritime piracy attack patterns around the world
- Look at a local issue from a variety of perspectives
- Study Wainui Bay's coastal processes and management
- Create and analyse maps, graphs and diagrams
- Write reports for a variety of audiences

Contact: jordank@hillmorton.school.nz

UE approved





History

Course type: Social Sciences

3HIS

3

15

10

\$0

Course

Level

Int cr

Ext cr

Course contribution



Pathways

University study including:
Journalism
Media and Communication
Political Science
Librarian
Curator or Archivist



Entry requirements

L2 History or HOD Approval

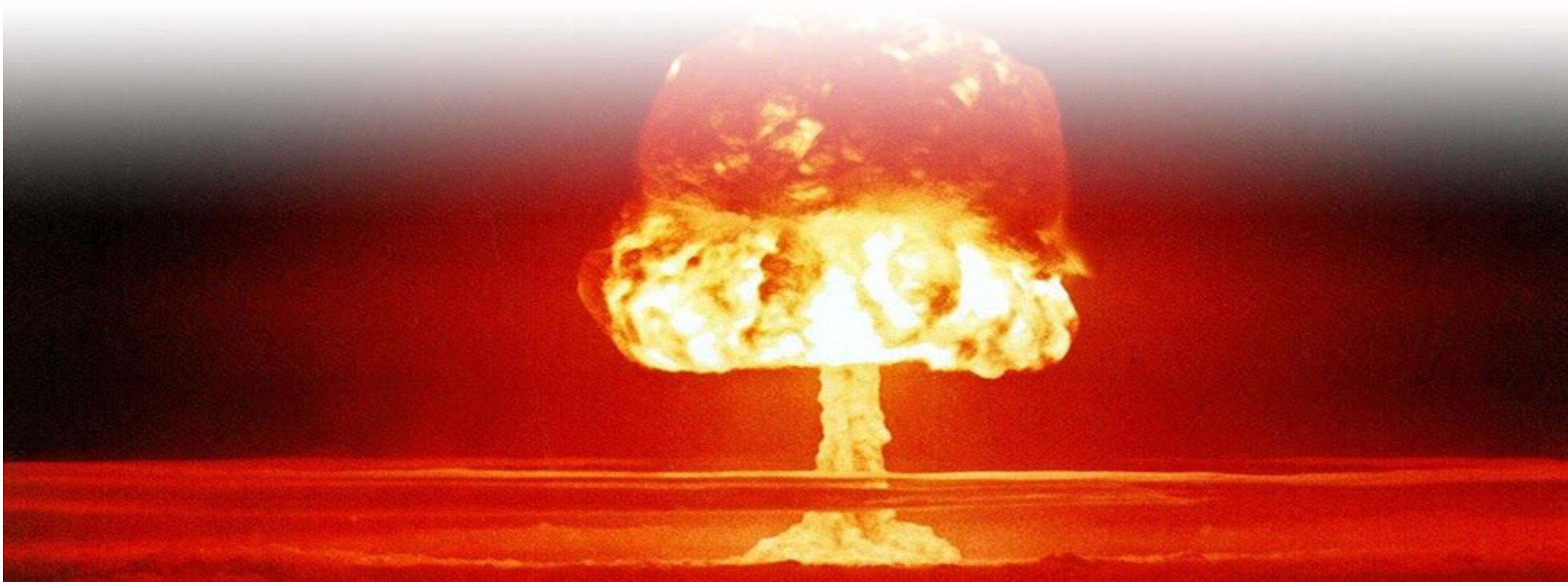
Contact: danng@hillmorton.school.nz

UE approved

This course explains things of the past, the world around us, current events and what lessons we can learn from the history that came before us.

Course components

- Investigate Edmund Hillary and mountaineering
- Develop research, inquiry and referencing skills
- Learn about the Cuban Missile Crisis and how close the world came to Mutually Assured Destruction
- Explore the morality of strategic bombing in WW2





Tourism

Course type: Social Sciences

3TOU

3

21

0

\$30

Course

Level

Int cr

Ext cr

Course contribution



Pathways

Entry requirements

Tertiary courses
leading to:
Flight Attendant
Hotel Management
Travel Agent

L2 Tourism or HOD
Approval

Contact: jordank@hillmorton.school.nz

This course shows you the world, how it works and how people move around it, within the travel and tourism industry.

Course components

- Study Queenstown as a tourist destination
- Study Europe as a tourist destination
- Experience a hotel for a day
- Understand how the tourism industry works as a whole
- Discover how important tourism is to NZ and the world
- Develop your customer service skills



Technology Hard



Design and Visual Communication

Course type: Technology Hard

3DVC

3

18

10

\$10

Course

Level

Int cr

Ext cr

Course contribution



Pathways



Entry requirements

University or polytechnic study including:
Architectural Studies
Product Design
Graphic Design
Building
Engineering

12 Credits in L2 DVC

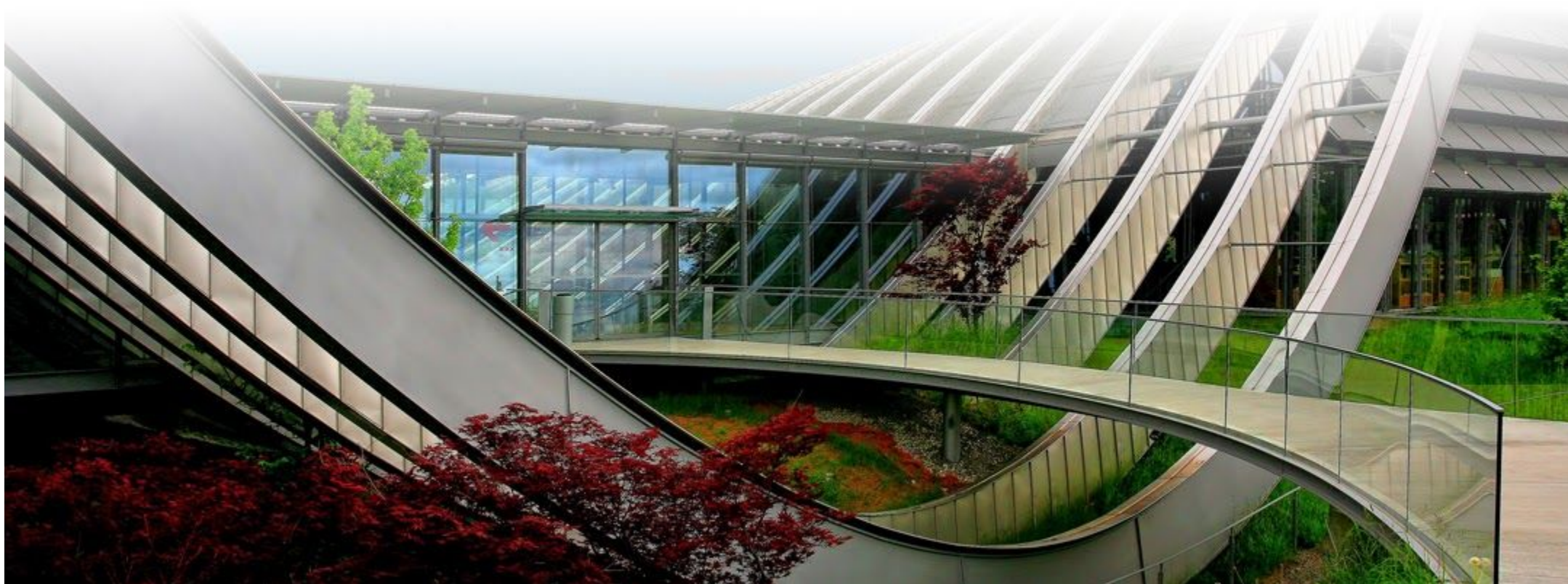
Contact: mckenzie@hillmorton.school.nz

UE approved



This course explores the range of possibilities that are available through design and formal drawing.

Course components

- Use the design process to create products or architectural outcomes
- Present designs to an audience using visual communication techniques
- Create outcomes using computer aided design
- Use ideation processes to create designs



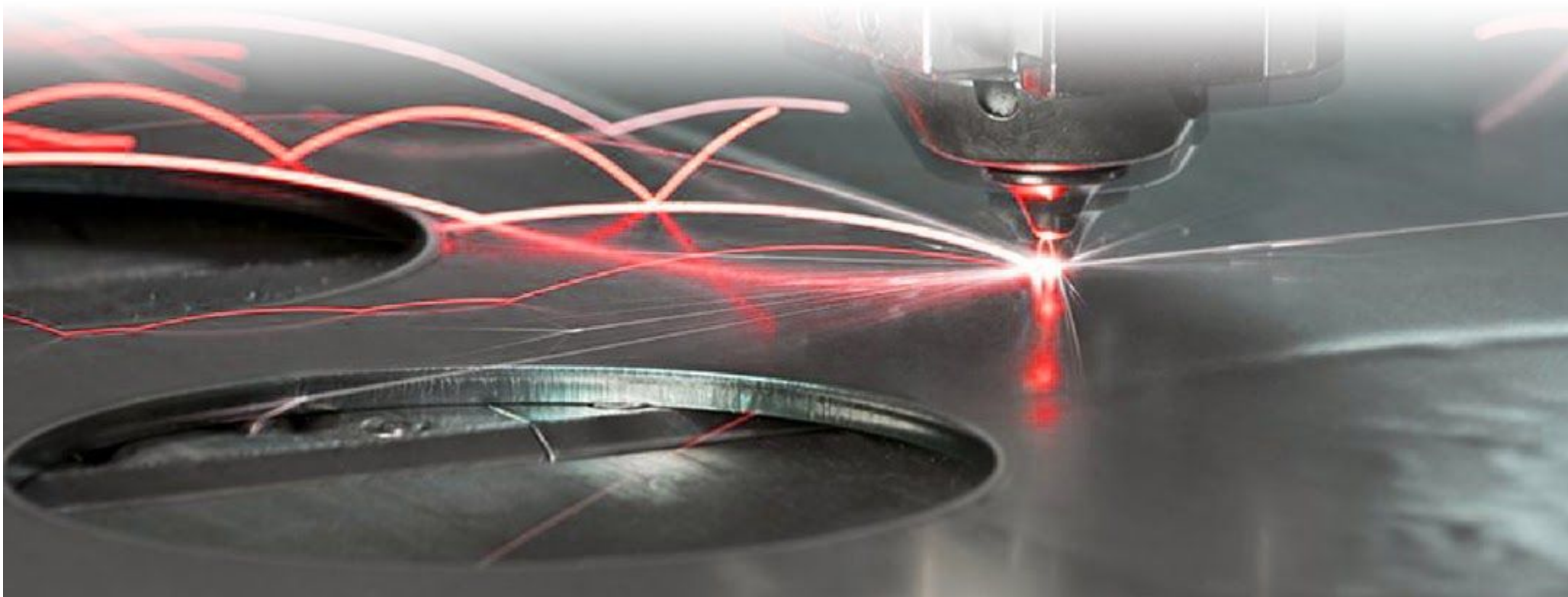
3TEN	3	15	0	\$150
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
Polytechnic pre-trade courses Apprenticeships in: Welding Fabrication Tool Making Plastics Processing Engineering Machinist	12 Credits L2 Technology Engineering or HOD Approval
Contact: mckenzie@hillmorton.school.nz	

This course teaches the skills and knowledge used in engineering and allied trades.

Course components

- Work with Computer Aided Design programs
- Operate a CNC laser machine
- Plan and carry out a design process





Technology Wood

Course type: Technology Hard

3TWO

3

18

0

\$160

Course

Level

Int cr

Ext cr

Course contribution



Pathways

Polytechnic
pre-trade courses
Apprenticeships in:
Carpentry
Joinery
Construction Trades



Entry requirements

12 Credits in L2
Technology Wood or
HOD Approval

Contact: mckenzied@hillmorton.school.nz

This course teaches the skills and knowledge used in the furniture and joinery trades.



Course components

- Work safely in a building environment
- Learn building techniques
- Learn to use power tools
- Work collaboratively



Transition

3DFO	3	20	0	\$0
Course	Level	Int cr	Ext cr	Course contribution

	
Pathways	Entry requirements
Pre-Tertiary studies for universities L4 or L5 Polytechnic courses Apprenticeship/Trainee or Intern position	NCEA Level 2 or HOD Approval. Must be willing to participate and contribute in class discussions.
Contact: agnewp@hillmorton.school.nz	

This course is for those who wish to gain 'soft skills' at NCEA Level 3.

Course components

- Consolidate your learning with a sense of purpose
- Apply skills from other subjects within a career context
- Analyse your character or personality traits and attitudes
- Work towards building a work ethic which helps you navigate a specific career pathway

