

2025



PŪAO STAR

ON-CAMPUS

courses for secondary
school students

A decorative graphic at the bottom of the page consisting of several parallel white lines that curve upwards on the right side, creating a stylized, modern border.



Important dates

10 February 2025	Applications close for Semester 1 (S1) and Whole Year (W) STAR courses
17 February 2025	Semester 1 starts
February 2025	STAR Orientation on campus (Details to be confirmed)
7 July 2025	Applications close for Semester 2 (S2) STAR courses
14 July 2025	Semester 2 starts

For more key course dates, go to www.canterbury.ac.nz/key-dates

Front cover te reo translation: Pūao means 'to dawn', reflecting that the students coming to UC from their secondary schools are at the dawn of their tertiary education journey.

Front cover image: is a simplified version of Haehae moana or braided rivers design. Haehae moana are representative of our unique natural environment here in the Waitaha region and symbolise the importance of mahinga kai, sustainable food and natural resource gathering practises, of the iwi Ngāi Tahu. The haehae lines used here were traditionally used in whakairo and tell of whakapapa and pūrākau — traditions, histories and stories. Haehae means to etch, cut, carve. Whakarare means to turn or fall and are represented in this design where the haehae lines cross over themselves.

Information is correct as at Oketopa October 2024, but is subject to change.



Pūao ki UC | STAR at UC



UC's Pūao | STAR programme offers capable secondary school students the opportunity to enrol in first-year degree-level courses while still at school.

STAR students can experience studying at university while still completing high school. It's a chance to get a head start on tertiary studies, investigate a potential study pathway or subject of interest, and meet with other like-minded secondary school students. Completed STAR courses can normally be credited towards a degree at UC or another New Zealand university.

Who can enrol?

The Pūao | STAR programme is intended for students in Year 12 or 13 who have met the literacy and numeracy requirements of NCEA University Entrance (or equivalent).

This includes international students studying at a New Zealand secondary school and home-schooled students.

What does a Pūao | STAR course involve?

The majority of on-campus courses listed in this brochure are regular first year university courses suitable for Pūao | STAR students. This means Pūao | STAR students attend lectures, labs, and tutorials for these courses on campus, alongside university students.

Some courses (MATH199, COSC131, and COSC122) are exclusively for Pūao | STAR students, with lectures scheduled after school for students from high schools across Christchurch to attend. These courses cover the same content as their non-STAR equivalents.

Most Pūao | STAR courses are 15 points and run over one semester (4 months). Each 15 point course has a workload of around 8 hours a week, including time spent in class, reading the online course materials, working on assignments, and preparing for an exam.

Detailed course information is available online at www.canterbury.ac.nz/star

How to apply

- **Fill out the STAR Consent Form** (available online at www.canterbury.ac.nz/star) and get it signed by your parent/caregiver and the STAR Coordinator at your school.
- **Get a copy of your passport or birth certificate certified** (signed and dated) by your School Principal or a Justice of the Peace (JP) or solicitor.
- **Create a myUC account** (myuc.canterbury.ac.nz/login) and submit an application for the STAR Programme. Include a scan of the completed STAR Consent Form and your certified identity document.

Call 0800 827 748 if you have any problems completing your application.

2025 Akoranga ki UC On-campus courses

Subject	Course Code	Course Description	Points	Semester		Course Fee
Accounting	ACCT102	Accounting and Financial Information Students will develop an understanding of the structure and functions of general purpose financial reports from a reader's perspective. They will be introduced to current non-financial reporting issues such as the challenge of sustainability within business and society.	15	S1	S2	\$633
	ACCT103	Accounting and Taxation: An Introduction <i>Students must complete ACCT102 first.</i> This course introduces taxation and accounting in the context of service, retail, manufacturing, tourism, farming and construction businesses. It includes the rudiments of bookkeeping and the preparation of reports about cash flows, profits and accumulating capital and wealth.	15	S1	S2	\$633
Antarctic Studies	ANTA102	Antarctica: The Cold Continent <i>Students who have taken ANTA101 should not enrol in this course.</i> This introductory course explores the evolution of the Antarctic continent, the dynamics of polar ice, the drivers of weather and climate in Antarctica, the circulation of the Southern Ocean, astronomy and human interaction with the polar region including the history of exploration and intriguing legal issues.	15	S1		\$633
Anthropology	ANTH105	Human Evolution This course is an introduction to the biological, behavioural, and cultural evolution of hominids from the earliest evidence to the emergence of the Neolithic revolution. Students will be introduced to the fundamentals of evolutionary theory, paleoanthropology, archaeology and physical anthropology.	15		S2	\$633
	ANTH108	Witchcraft, Magic and The Dead This course aims to challenge taken-for-granted assumptions about witchcraft, magic and the dead, as well as introducing students to key anthropological concerns such as ritual, symbolism and religion.	15	S1		\$633
Astronomy	ASTR109	The Cosmos: Birth and Evolution In this course students will explore how our societies connect to our place in the cosmos, build their own personal awareness of how the Earth and sky relate, and gain an understanding of astronomy, astrophysics and planetary science, beginning with our Solar System and expanding outward to visit exotic stars, remote planets, and distant galaxies.	15	S1		\$633
Biology	BIOL111	Cellular Biology and Biochemistry A foundation course in cellular biology integrating the principles of molecular biology and biochemistry with the structure and function of plant, animal and microbial cells. Cellular and molecular mechanisms underlying cell growth/death cycles, cancer and genetic disorders will also be considered.	15	S1		\$633
	BIOL112	Ecology, Evolution and Conservation An integrated course embracing the principles of ecology, behaviour, genetics, evolution and conservation biology.	15		S2	\$633
	BIOL113	Diversity of Life An overview of the diversity, evolution, structure and function of animals, plants and microbes.	15	S1		\$633
	BIOL116	Human Biology <i>This course is not a core course for the Biological Sciences major, but is for the Bachelor of Health Sciences.</i> An introduction to the biology of humans. The course is particularly recommended for students wishing to advance in topics in health and sport, as well as those students advancing in science subjects.	15		S2	\$633

S1 = Semester One; S2 = Semester Two; W = Whole Year

Subject	Course Code	Course Description	Points	Semester		Course Fee
Chemistry	CHEM111	Chemical Principles and Processes <i>Students should complete CHEM114 or 14 credits NCEA Level 3 Chemistry first. Attendance at laboratories and tutorials is required for this course.</i> The course covers atoms and the periodic table; chemical bonding; reduction and oxidation reactions; properties of gases; introduction to thermodynamics; kinetics; chemical equilibrium; Gibbs energy and the second law of thermodynamics; aqueous chemistry; acid-base equilibrium.	15	S1	S2	\$633
	CHEM112	Structure and Reactivity in Chemistry and Biochemistry <i>Students should complete CHEM114 or 14 credits NCEA Level 3 Chemistry first. Attendance at laboratories and tutorials is required for this course.</i> This course covers structure, isomerism, stereochemistry, synthesis, and reaction mechanisms in organic chemistry; transition metal chemistry and electrochemistry.	15		S2	\$633
	CHEM114	Foundations of Chemistry <i>Students who have already completed 14 credits NCEA Level 3 Chemistry should not enrol in this course. Attendance at laboratories and tutorials is required for this course.</i> A preparatory course for biological sciences and other non-specialists, assuming minimal preparation in Chemistry. There is an emphasis on the properties of materials and biological systems.	15	S1		\$633
Chinese	CHIN151	Chinese Language 1-A A beginner's level course, focusing on the four basic language skills of reading, writing, speaking and listening, designed for students with little or no previous knowledge of the Chinese language.	15	S1		\$633
	CHIN152	Chinese Language 1-B <i>Students should complete CHIN151 or a placement test first.</i> Following CHIN151 and still focusing on the four basic language skills of reading, writing, speaking and listening, this course teaches how to conduct simple conversations, and read and write simple texts in Chinese at an elementary level, with an adequate cultural understanding of China.	15		S2	\$633
	CHIN155	Understanding China This course provides basic understanding of China and Chinese culture through selected topical issues about China. The course will be taught in English; all prescribed readings and assessments (writing and spoken) are in English.	15	S1		\$633
	CHIN251	Chinese Language 2-A <i>Students should complete CHIN152 or a placement test first.</i> Following CHIN152 and still focusing on the four basic language skills of reading, writing, speaking and listening, this course teaches how to conduct daily and social conversations, and to read and write texts in Chinese at an early intermediate level, with an adequate cultural understanding of China.	15	S1		\$633
	CHIN252	Chinese Language 2-B <i>Students should complete CHIN251 or a placement test first.</i> Following CHIN251 and still focusing on the four basic language skills of reading, writing, speaking and listening, this course teaches how to communicate Chinese in social and semi-formal situations at an intermediate level, with an adequate cultural understanding of China.	15		S2	\$633
Cinema Studies	CINE102	The Backpacker's Guide to World Cinema This course identifies the formal, stylistic and thematic concerns that are shared, despite their apparent diversity, by a cross section of contemporary films. Students will analyse a selection of notable films from around the world that revise, resist or reject the standard practices or themes of mainstream cinema.	15		S2	\$633
	CINE104	The Oscar for Best Picture: The Envelope Please! This course will trace the trajectory of the Academy Awards and will provide a concentrated, thumbnail history of American Cinema, which challenges students to consider and question the formal criteria (cinematography, acting, sound, editing) upon which critical judgement is based.	15	S1		\$633

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Subject	Course Code	Course Description	Points	Semester	Course Fee
Classics	CLAS120	People, Places and Histories of the Graeco-Roman World In this course students will survey events in antiquity from Homer through to the Roman Emperor Constantine. Students will explore the world of fifth century Athens and the development of Rome from a small town to the capital of a large Empire.	15	S1	\$633
	CLAS122	Myth, Power and Identity in the Graeco-Roman World In this course students will consider how the Greeks and the Romans thought of themselves and others in their mythology and social power structures. Students will gain an understanding of ancient cosmic world-views, gender issues, colonisation and identity in Archaic and Classical Greece and Augustan Rome, and the relevance of such ideas now.	15	S2	\$633
	CLAS135	Beginners' Greek <i>Students should complete CLAS151 or equivalent preparation approved by the Head of School first.</i> <i>Some classes will be held at the City Campus in the Arts Centre, 3 Hereford Street.</i> An introduction to Ancient Greek grammar and to the reading of Ancient Greek texts, building on from the material learnt in CLAS151. Students, in this course, concentrate on Ancient Greek only, learning the language of fifth century Athens through the reading of texts.	15	S2	\$633
	CLAS145	Beginners' Latin <i>Students should complete CLAS151 or equivalent preparation approved by the Head of School first.</i> An introduction to Latin grammar and to reading Latin, following on from CLAS151.	15	S2	\$633
	CLAS151	Greek and Latin for Absolute Beginners This course introduces Greek and Latin grammar to students by way of English grammar. At the end of the course students will understand the most important basic grammatical concepts in Greek and Latin and will have a working vocabulary of about 75 words in each language.	15	S1	\$633
Computer Science	COSC131	Introduction to Programming for Engineers <i>This is the first half of the Computer Science STAR Programme for students with about 20 credits of mathematics with a good proportion of excellences at NCEA Level 2 or Level 3, or the equivalent for students not doing a full NCEA programme. Prior programming experience is not essential.</i> This course teaches the fundamentals of computer programming using the Python language. COSC131 is required for engineering intermediate and is an alternative to COSC121 as a prerequisite for COSC122 and all 200 level COSC and SENG courses.	15	S1	\$633
	COSC122	Introduction to Computer Science <i>This is the second half of the Computer Science STAR Programme for students with about 20 credits of mathematics with a good proportion of excellences at NCEA Level 2 or Level 3, or the equivalent for students not doing a full NCEA programme. Prior programming experience is not essential.</i> Students need to pass COSC131 (or equivalent) before they can continue with COSC122. An introduction to Computer Science, including algorithms, complexity and data structures.	15	S2	\$633
Criminal Justice	CRJU101	Introduction to Criminal Justice This course covers the structure of the Criminal Justice system and the role of government agencies.	15	S1	\$633
	CRJU150	Legal Method in the Criminal Justice Context This course provides an introduction to understanding legal concepts, the sources of law, and the structure of the criminal justice system in New Zealand. Students will be introduced to important concepts and definitions and to the techniques of legal reasoning, case analysis and statutory interpretation through an examination of criminal cases and laws.	15	S1	\$633
	CRJU160	Legal Issues in the New Zealand Criminal Justice System <i>This course covers some sensitive topics.</i> This course introduces students to current and emerging issues in the criminal justice system. It will begin by providing an overview of the complex legal rules which regulate the investigation and prosecution and punishment of criminal offences and offenders.	15	S2	\$633
Digital Humanities	DIGI125	Music Technologies <i>Students who have completed MUSA125 should not enrol in this course.</i> This course teaches practical skills in digital sound for musicians, filmmakers, game developers, aspiring "bedroom producers," and anyone interested in working with sound in the digital domain.	15	S1	\$633

S1 = Semester One; S2 = Semester Two; W = Whole Year

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Economics	ECON104	<p>Introduction to Microeconomics</p> <p><i>Students who have completed ECON199 should not enrol in this course. The tuition fees for ECON104 on-campus are covered by the UC Business School. Schools will not be invoiced for ECON104.</i></p> <p>This course studies microeconomics, which examines theories of how consumers and producers behave and interact in individual markets. The course covers a general study of the workings of markets and a more in depth analysis of the two sides – supply (producers) and demand (consumers).</p>	15	S1	S2	\$633 (paid by the UC Business School)
	ECON105	<p>Introduction to Macroeconomics</p> <p><i>The tuition fees for ECON105 on-campus are covered by the UC Business School. Schools will not be invoiced for ECON105.</i></p> <p>This course introduces students to the macro economy and how it evolved to where it is today. We investigate how government policies, decisions by households and firms, and changes in the world economy affect inflation, exchange rates, interest rates, unemployment, growth, poverty and inequality and other economic outcomes we care about.</p>	15	S1	S2	\$633 (paid by the UC Business School)
Education	CHCH101	<p>Strengthening Communities through Social Innovation</p> <p>This course partners with communities to work collaboratively to affect meaningful change and will suit those students with an interest in active citizenship, social activism, community engagement, and social innovation with our local or global communities. Students will critically engage with the theories of volunteering, service and experiential learning</p>	15	S1		\$633
	EDUC101	<p>Spark! The Art & Science of Learning</p> <p>In this course, students address how people learn as well as the social, political, and global contexts in which learning takes place. Together, students walk through the art and science of learning, including contemporary debates and discussions in anthropology, history, philosophy, sociology, and psychology.</p>	15		S2	\$633
	EDUC102	<p>Child and Adolescent Development</p> <p>This course establishes a foundation in theory, concepts, processes and factual knowledge of infant, child, and adolescent development within the context of family, school, and community.</p>	15		S2	\$633
	EDUC103	<p>Education, Culture and Society</p> <p>This course provides an introduction to foundational theories, concepts and processes in the study of education. The course explores theories about power, justice and fairness in society, with a particular focus on how they relate to education.</p>	15	S1		\$633
English	ENGL102	<p>Great Works</p> <p>This course introduces students to university-level English by exploring in depth a sequence of works that have earned the label 'great' for some or all of the following reasons: because of their enduring, wide and deep cultural influence; because of the originality of their creative conception; because of the power of their language; because of the power and appeal of the stories they tell or the characters or images they contain.</p>	15	S1		\$633
	ENGL117	<p>Writing for Academic Success</p> <p><i>Students who have completed WRIT101 should not enrol in this course. ENGL117/WRIT101 is one of three compulsory courses of which Arts students need to pick two.</i></p> <p>This course fosters the capacity for analytical thought about texts and language. The course also provides training in the writing of clear and effective prose, inculcates awareness of crucial structural and rhetorical features of expository writing, and encourages the application of that awareness to writing in a range of academic and professional contexts.</p>	15	S1	S2	\$633
Environmental Science	ENVR101	<p>Introduction to Environmental Science</p> <p>This course offers a general introduction to environmental science in an interdisciplinary context and aims to build a knowledge platform and exposes students to the environmental problems and solutions of the modern era.</p>	15	S1		\$633
European and EU Studies	EURA101	<p>Global Europe</p> <p>Through the use of traditional and online teaching methods, this course introduces students to the identity, structure and function of the EU, its key challenges and its role and impact on the world, particularly in the Asia-Pacific region.</p>	15	S1		\$633
Finance	FINC101	<p>Personal Finance</p> <p>This course focuses on personal financial literacy and decision making, including consumption and investment, debt, insurance, retirement and estate planning.</p>	15	S1		\$633
Forestry	FORE111	<p>Trees, Forests and the Environment</p> <p>The course explores the interaction between forests and people, linking forest types and locations to their products and services. We discuss sustainable forest management, the role of forestry tackling climate change and Treaty of Waitangi obligations.</p>	15	S1		\$633

Subject	Course Code	Course Description	Points	Semester	Course Fee
French	FREN121	French Language Acquisition: Beginners A This is an introductory course for students who have no previous knowledge of French. It is the first course in a sequence of six French language acquisition courses offered by the Programme.	15	S1	\$633
	FREN122	French Language Acquisition: Beginners B <i>Students should have completed FREN121 first or have a level in French acceptable to the Programme Director.</i> This is the second course in a sequence of six French language acquisition courses offered by the Programme.	15	S2	\$633
	FREN221	French Language Acquisition: Intermediate A <i>Students should have completed FREN122 first or have a level in French acceptable to the Programme Director.</i> This is the third course in a sequence of French language acquisition courses offered by the programme.	15	S1	\$633
	FREN222	French Language Acquisition: Intermediate B <i>Students should have completed FREN221 first or have a level in French acceptable to the Programme Director.</i> This is the fourth course in a sequence of French language acquisition courses offered by the programme.	15	S2	\$633
Geography	GEOG106	Global Environmental Change This course is an exploration of major environmental changes happening at the global scale. With a particular focus on climate, ice, freshwater, and ocean processes, students investigate how geospatial monitoring and other tools are used to address global environmental challenges.	15	S2	\$633
	GEOG110	People, Places and Environments This course draws on the insights of human geography to deepen your understanding of how people make places and shape environments. Students examine the economic, social and cultural processes that create contemporary places and also consider their possible futures.	15	S1	\$633
Geology	GEO101	Building Planet Earth: Fundamentals of Earth Science In this introductory course, we aim to provide students with a basic understanding of how Earth and its materials have developed through deep time. Students will learn about the essential building blocks of Earth (minerals and rocks) and the processes that are responsible for how they form and change through time.	15	S1	\$633
	GEO102	Environmental Earth System Science This course provides foundational knowledge, understanding and practical skills aligned to complex challenges of the modern era from an Earth Science perspective. The course will develop fundamental geologic skills including geoscientific data collection, analysis and visualisation, hazard analysis, spatial mapping, and written communication.	15	S2	\$633
German	GRMN151	Elementary German Language A German language course for beginners, i.e. students with no knowledge of German, based on the communicative approach.	15	S1	\$633
	GRMN152	Elementary German Language B <i>Students should have completed GRMN151 first or 20 credits German at NCEA Level 2 or by placement test.</i> A German language course that follows on from GRMN 151, based on the communicative approach.	15	S2	\$633

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Health Sciences	HLED121	Introduction to Health Education This course is designed to be an introduction to Health Education in school and community settings. Students will examine both the historical and contemporary underpinnings of Health Education.	15	S1		\$633
	HLED122	Building Resilience This course is designed as an introduction to the concept of mental health. It examines concepts of mental health and resilience and considers these in relation to the determinants of health.	15		S2	\$633
	HLTH101	Introduction to Health Studies In this course, students develop strategies for gathering information about causes of ill health, investigate effects of ill health, and evaluate the effectiveness of health-related policies and interventions.	15	S1		\$633
	HLTH102	Health Promotion This course will provide an understanding of the broad range of ways in which the health of populations or societies can be promoted. Students will learn to design health promotion approaches that aligns with epidemiological and life-course evidence.	15		S2	\$633
	HLTH106	Te Wero – Māori Health Issues and Opportunities This course introduces students to a selection of historical and contemporary Māori health content within a Treaty of Waitangi framework, to support robust analyses of Māori population health issues.	15	S1		\$633
	HLTH111	Global Health <i>Recommended preparation: HLTH101.</i> Global health challenges cross international borders and responses require international cooperation. In this course students explore (1) the key and emerging challenges and opportunities facing global health, (2) major public health developments that have improved health outcomes for all and (3) identify how economic and political processes have shaped responses to global health problems.	15	S1		\$633
	History	HIST137	Modern World History This course explores some of the major ideas and events that have shaped world history since 1945 and asks: Which are stronger, the forces for world unity or the forces for fragmentation? Students study the global impacts of the struggle for resources and the increasing prominence of terrorism in the modern world.	15	S1	
Human Services	HSRV103	Violence in Society <i>This course covers some sensitive topics.</i> This course will introduce students to the issue of violence in society and its impact on communities. The course will introduce the concept of structural violence and explore the links between interpersonal violence and structural violence.	15		S2	\$633
	HSRV104	Youth Realities <i>This course covers some sensitive topics.</i> <i>Students who have completed SOWK104 should not enrol in this course.</i> The course introduces students to the diverse realities of 'youth' with a focus on multiple contexts. Students explore the concept of youth and the cultural, historical, political and economic contexts in which young people live and the decisions that they make.	15	S1		\$633
Information Systems	INFO123	Business Information Systems and Technology This course aims to help students understand how organisations can use data and technology to address business problems, to deliver business value and stay competitive, to create better processes, to improve connections with stakeholders, and to make better decisions.	15	S1	S2	\$633
	INFO125	Introduction to Programming with Databases Computer programming with an emphasis on the development of business applications with the .NET framework and their connection to databases. It includes an introduction to programming logic and concepts, the Visual Studio environment, processing data, and using SQL to retrieve and update data.	15	S1		\$633
Japanese	JAPA125	Elementary Japanese A This course is designed for students with little or no previous knowledge of the Japanese language. Teaching will focus on the four basic language skills of reading, writing, speaking and listening.	15	S1		\$633
	JAPA126	Elementary Japanese B <i>Students should have 12 credits at NCEA Level 2 Japanese first.</i> This course follows on from JAPA125 or JAPA127, and is the entry point for students with NCEA level 2 Japanese or equivalent. Teaching will focus on the four basic language skills of reading, writing, speaking and listening.	30		S2	\$1,266

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Linguistics	LING101	How Language Works This course introduces students to the study of the English language, its words, sounds and sentences. It also introduces the conceptual and analytical tools which linguists use to understand how languages are constructed.	15	S1		\$633
	LING102	Language and Society in New Zealand and Beyond In this course students consider a range of research from the field of linguistics. The role of language experience will emerge as a recurrent theme: the experience that the infant has with a particular language; how our early experience with language affects how we speak and how we listen, and how our beliefs about language are created and maintained in connection to other experiences in our social lives.	15		S2	\$633
Management	MGMT100	Fundamentals of Management An introduction to the fundamental principles of management related to the functional areas of planning, organising, leading and controlling, as well as an introduction to how organisations are linked to the New Zealand and global business environment.	15	S1	S2	\$633
	MGMT170	Managerial Decision Making This course introduces basic managerial decision-making tools and their application to business. The topics include project management, forecasting, inventory management, cost-benefit analysis and decision-making.	15		S2	\$633
Māori and Indigenous Studies	MAOR107	Te Ara o Tawhaki: Māori Thought, Beliefs and Practices <i>Students should have NCEA Level 2 Literacy, either English or Te Reo Māori and Te Reo Rangatira.</i> This course provides an introduction to Māori knowledges and metaphysics through a study of topics such as voyaging, art and aesthetics, warfare, conflict and peace. Students also look at how approaches to Māori knowledges and their impacts are critiqued.	15	S1		\$633
	MAOR108	Te Patu a Maui: The Treaty of Waitangi - facing and overcoming colonisation <i>Students should have NCEA Level 2 Literacy, either English or Te Reo Māori and Te Reo Rangatira.</i> Through focus on the themes of Power, Property and Citizenship, this course examines the historical realities of the Treaty, enabling an understanding of the modern colonial nation state and its processes with respect to Indigenous peoples. The course examines Māori responses, engagement with, and resistance to the colonial project leading to a critical understanding of colonialism.	15		S2	\$633
	MAOR165	Tuakiri : Culture and Identity <i>Students should have NCEA Level 2 Literacy, either English or Te Reo Māori and Te Reo Rangatira.</i> This course examines identity as a lived experience for Māori and non-Māori and how it shapes our thinking at individual, organisation and systemic levels in this country. The course also focusses on contemporary issues arising from identity tensions, enabling students to apply insights to effect positive social change in order to work effectively in a bicultural manner.	15	S1	S2	\$633
Marketing	MKTG100	Principles of Marketing This course aims to enable students to understand the fundamental concepts and theories of marketing and how they may be applied to the marketplace in a modern and dynamic environment.	15	S1,	S2	\$633
Mathematics	MATH120	Discrete Mathematics <i>Students should have completed MATH199 before enrolling in MATH120.</i> <i>If students are enrolled in MATH199 and have excellent marks in the first semester of MATH199 their application will be considered.</i> <i>Students must attend tutorials, a test and an exam for MATH120 on campus.</i> Discrete mathematics is that part of mathematics not involving limit processes. It includes logic, the integers, finite structures, sets and networks.	15		S2	\$633
	MATH199	AIMS – Advancing in Mathematical Sciences <i>Applications will be assessed by Head of School or nominee before students can enrol in MATH199. Recommended preparation is about 20 credits of Mathematics with a good proportion of excellences at NCEA Level 3, or the equivalent for students not doing a full NCEA programme. Enrolments will be considered if students' Level 2 calculus results are excellent and they take year 13 calculus concurrently with MATH199. This course has an introductory session in the week before the course starts Thursday 13 February 4.15pm - 5.30pm.</i> <i>The tuition fees for MATH199 are covered by the Faculty of Engineering. Schools will not be invoiced for MATH199.</i> MATH199 is a course in calculus and linear algebra. This STAR course is designed for secondary school students who have excelled in level 3 NCEA Mathematics (or equivalent) and wish to take university mathematics while still at school.	30		W	\$1,266 (paid by the Faculty of Engineering)

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Media and Communication	COMS101	Media and Society This course explores the relationship between society and media - including social media, print, broadcasting, and all kinds of online spaces. It asks how our understandings of the world and people around us are mediated, how media have shaped society, and how society is reflected and produced through media.	15	S1		\$633
	COMS105	Public Communication The course introduces students to public communication, from social media posts to journalism to strategic communication and more. Emphasis will be placed on the representation of te ao Māori in different public communication practices and on how Māori and Pacific publics are convened.	15		S2	\$633
Music	MUSA100	Essentials in Music Techniques This course introduces a range of skills and techniques relevant to the composition of contemporary art music, including notational conventions, musical transformation techniques, and approaches to structuring. Students will prepare and present a portfolio of compositions in collaboration with student performers, while receiving guidance from upper-level composition students and School of Music teaching staff.	15	S1		\$633
Music	MUSA101	Musicianship, Harmony and Analysis 1 <i>Students should have completed MUSA100.</i> Continued development of students' skills in music analysis, harmony (including SATB part writing) and musicianship (sight singing, melodic and harmonic dictation, and keyboard harmonisation).	15		S2	\$633
	MUSA115	Song Writing in Practice This course surveys current trends and practices in song writing from a global perspective. Students prepare a portfolio of songs while learning about present-day applications of traditional techniques.	15		S2	\$633
	MUSA126	Sound Technologies <i>Students who have completed DIG126 should not enrol in this course.</i> This course teaches practical skills in digital sound for musicians, filmmakers, game developers, aspiring "bedroom producers," and anyone interested in working with sound in the digital domain.	15	S1		\$633
	MUSA132	Musics of the World This course explores musical traditions from a range of geographical regions and introduces key concepts for the study of music in culture.	15	S1		\$633
	MUSA152	Acoustics and Recording Techniques This course helps the student to develop skills in DAW operation, microphone techniques, and fundamentals of acoustics and digital audio required for complex multitrack recording projects. Students are taught how to apply these skills in a range of production situations, including orchestral, instrumental, and vocal ensemble recording.	15		S2	\$633
	Philosophy	PHIL110	Science: Good, Bad, and Bogus This course will teach you 20 principles you can use to tell science from pseudo-science, truth from falsehood, logic from rhetoric, sound reasoning from wishful thinking, effective medicine from quackery, and good evidence from lies, fraud and fakery.	15	S1	
	PHIL133	Philosophy and Human Nature This course is an introduction to Western philosophy through the ideas of Plato, Aristotle, Hobbes, Hume, Kant, Marx, Nietzsche, Darwin, and other influential thinkers as they puzzle over the riddles of human nature.	15		S2	\$633
	PHIL137	Big Data, Artificial Intelligence and Ethics In this course students will learn about cutting edge work from both within and outside academic philosophy concerning the challenges posed by the ever-increasing use of computing technology and A.I.	15	S1		\$633
	PHIL139	Ethics, Politics and Justice This course introduces students to moral and political philosophy by examining ideas and arguments about how we should live our personal, social and political lives.	15		S2	\$633

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Subject	Course Code	Course Description	Points	Semester		Course Fee
Physics	PHYS101	Engineering Physics A: Mechanics, Waves, Electromagnetism and Thermal Physics <i>This is a required course for all engineering programmes. PHYS101 builds on NCEA Level 3 Physics. Attendance at laboratories and tutorials is required for this course.</i> This course builds on NCEA level 3 physics to develop Mechanics, Conservation Laws, Fluids, Waves, Thermal Physics, and Electromagnetism into an essential foundation for science and technology understanding.	15	S1	S2	\$633
	PHYS111	Introductory Physics for Physical Sciences and Engineering <i>Attendance at laboratories and tutorials is required for this course.</i> An introductory physics course covering mechanics, oscillations, waves, D.C. circuits, geometrical optics, wave optics, nuclear physics.	15	S1		\$633
Political Science	POLS102	Politics: An Introduction This course introduces the basic tools and techniques used in political science, including research techniques, formulation of hypotheses, and methods of analysis. The course covers topics such as nationalism and ethnicity, democracy, authoritarianism, people's power, conflict, globalisation, and the future of global politics.	15	S1		\$633
	POLS103	Introduction to New Zealand Politics and Policy This course is an introduction to New Zealand politics and public policy and examines the core features of New Zealand's political landscape. The course includes a field day working in local communities learning about leadership and public attitudes.	15	S1		\$633
	POLS104	Introduction to International Relations This course provides a broad introduction to the core issues and theories related to the study of international relations. Students will be introduced to the discipline through a study of key historical events, prominent theories of international relations, and a variety of practical examples.	15		S2	\$633
Political Science	POLS105	Comparing the Politics of Nations: A Global Introduction This course serves as an introduction to the basics of comparative political studies. The main objective is to give students the necessary tools to assess and understand the differences in political culture, political organizations, governmental structures, and political behaviour.	15		S2	\$633
	POLS106	Plato to Nato: Introduction to Political Thought In this course, students will study the evolution of the ideas that form the building blocks of the political and social sciences. Students will trace the changes in the fundamental political concepts such as freedom, equality, rights, justice, government, the state, markets, and domination.	15		S2	\$633
Psychology	PSYC105	Introductory Psychology - Brain, Behaviour and Cognition In this course students will receive an introduction to positive psychology; wellbeing; visual perception; research methods; learning and behaviour change; forensic psychology; neuropsychology; drugs and behaviour; memory and cognition; and health psychology.	15	S1		\$633
	PSYC106	Introductory Psychology - Social, Personality and Developmental In this course students will receive an introduction to five major domains: personality, abnormal, social, developmental, and organisational psychology. Students will also learn about the different research methods used in each of these domains.	15		S2	\$633
	PSYC107	Foundations of Psychological Science This course will take a holistic and critical look at the science of psychology itself: its questions, methods, evidence, and unique challenges; as well as its place within modern Aotearoa New Zealand society.	15		S2	\$633
Russian	RUSS130	Elementary Russian Language A Russian language course for absolute beginners, i.e. students with no knowledge of Russian, based on the communicative approach.	15	S1		\$633
	RUSS131	Elementary Russian Language B <i>Students should complete RUSS130 first.</i> A Russian language course that follows on from RUSS130, based on the communicative approach.	15		S2	\$633
	RUSS230	Intermediate Russian Language A <i>Students should complete RUSS131 first or a placement test.</i> This is the first of two intermediate Russian language courses. It aims at extending vocabulary and grammatical structures to discuss and write about simple topics in Russian culture.	15	S1		\$633
	RUSS231	Intermediate Russian Language B <i>Students should complete RUSS230 first or a placement test first.</i> This is the second of two intermediate Russian language courses. It extends the reading, writing and discussion skills acquired in RUSS230 and places greater emphasis on conversation skills.	15		S2	\$633

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Science	SCIE101	Science, Society and Me In this foundational course, we examine stimulating questions such as what science is, who does science, how is science practiced, how do science, culture and society interact and how science is communicated to differing audiences.	15		S2	\$633
Science, Māori and Indigenous Knowledge	SCIM101	Science, Māori and Indigenous Knowledge <i>Students who have completed MAOR172 should not enrol in this course.</i> This course provides a basic understanding of Māori and indigenous peoples' knowledge in such fields as astronomy, physics, conservation biology, aquaculture, resource management and health sciences.	15		S2	\$633
Social Work	SOWK101	Introduction to Social Policy An introduction to the provision of welfare in New Zealand, providing students with the opportunity to examine socio-cultural, economic and political factors that have influenced current welfare policies, practice and services.	15		S2	\$633
	SOWK102	Social Services in Aotearoa <i>Students who have completed HSRV102 should not enrol in this course.</i> A course that introduces the history, and contemporary organisation, and functions of the social services industry in New Zealand society. Particular emphasis is placed on the development of students' capacities to understand and critically analyse the impact of service delivery on diverse populations.	15	S1		\$633
	SOWK104	Youth Realities <i>This course covers some sensitive topics.</i> <i>Students who have completed HSRV104 should not enrol in this course.</i> The course introduces students to the diverse realities of 'youth' with a focus on multiple contexts. Students explore the concept of youth and the cultural, historical, political and economic contexts in which young people live and the decisions that they make.	15	S1		\$633
Sociology	SOCI111	Exploring Society An introduction to the major themes in contemporary sociology in a way that is relevant to New Zealand culture and society.	15	S1		\$633
	SOCI112	Global Society Combining sociological theory and concepts with arguments and examples drawn from around the globe, this course conveys the scope and value of sociology for understanding the complex and fast-changing world in which we live.	15		S2	\$633
Spanish	SPAN101	Beginners' Spanish A An introductory language course for students with no previous knowledge of Spanish.	15	S1		\$633
	SPAN102	Beginners' Spanish B <i>Students should have completed SPAN101 first or have NCEA level 2 in Spanish or undertake a placement test with the Spanish Programme.</i> A language course following on from SPAN 101, for those with limited knowledge of Spanish.	15		S2	\$633
	SPAN201	Intermediate Spanish Language A <i>Students should have completed SPAN102 first or undertake a placement test with the Spanish Programme.</i> Review of the basic features of Spanish that leads into an intensified examination of more complex structures for both conversational and written Spanish, including a wide range of verb structures.	15	S1		\$633
Speech and Language Pathology	SPSC113	Introduction to Communication Disorders An introduction to the many communication and swallowing disorders that people might face during their lifetimes. You will learn about the difficulties that children might have with their communication, feeding and/or swallowing and that adults might encounter as a result of an acquired condition such as a stroke or a brain injury.	15		S2	\$633
	SPSC114	The Art and Science of Human Communication This course examines how we communicate, how that is influenced by our culture, the neural and cognitive processes underpinning communication, and how communication is affected by external contexts such as noise and stress.	15	S1		\$633

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Sport Coaching	SPCO101	Introduction to Sport Coaching This course provides the application of sport coaching theory to practice. Students will apply and evaluate aspects of coaching pedagogy and exercise science during coaching sessions with a primary school team, through a season of practices and interschool games.	15	S1		\$633
	SPCO104	Anatomy and Physiology In this course, students will explore the human body's structure and functions, and how systems interact and adapt to exercise.	15		S2	\$633
	SPCO105	Sport, History and Society An introduction to the history and philosophy of physical education, physical activity and sport, critiquing the development of movement culture with particular reference to New Zealand sport development and physical education.	15	S1		\$633
	SPCO107	Sport Nutrition This course provides an understanding of nutritional principles for healthy living and maintaining and improving sporting performance. The course will identify recommended nutritional practices for various populations including athletes, recreational exercisers, and groups with specific nutritional needs.	15		S2	\$633
Sport Marketing and Management	SPRT108	Sport, Business and Governance This course investigates governance of sports organisations through a variety of contexts. This includes a focus on board leadership, motivations and structures, including a focus on addressing Māori and Pasifika health and well-being goals and outcomes as a strategic priority for sports organisations.	15		S2	\$633
Statistics	STAT101	Statistics 1 An introduction to the ideas, techniques and applications of statistics and probability.	15	S1	S2	\$633
Te Reo Māori	TREO110	Te Ngao Tu: Conversational Māori for Absolute Beginners <i>For students with 24 credits in Te Reo Māori at NCEA Level 1.</i> A beginner's course in Māori language for those with no previous background in Te Reo Māori. Students will learn basic informal and formal greetings, introductory songs, proverbs and idiom, how to introduce themselves, express family relationships.	15		S2	\$633
	TREO111	Te Ngao Pae 1: Introductory Reo 1 <i>For students with 24 credits in Te Reo Māori at NCEA Level 2 or those who have completed TREO110.</i> An entry level course for those who wish to develop writing and speaking skills in Māori. Students learn an array of sentence constructions and vocabulary that will enable them to talk and write in several contexts about a wide variety of relationships and events in the present and the past.	15	S1		\$633
	TREO112	Te Ngao Pae 2: Introductory Reo 2 <i>For students with 24 credits in Te Reo Māori at NCEA Level 2 or those who have completed TREO111.</i> A second level beginners' course in Te Reo Māori that focusses on acquisition of more complex sentence constructions and extends knowledge of Māori vocabulary.	15		S2	\$633
	TREO211	Te Ngao Mamaku 1 <i>For Year 13 students with 24 credits in Te Reo Māori at NCEA Level 3 or those who have completed TREO112.</i> An intermediate level course in Te Reo Māori that continues the study of the structure of Te Reo Māori and extends your speaking skills through the study of a range of everyday topics. The course aims to increase the range and fluency of conversational ability to help lay the groundwork for future growth.	15	S1		\$633
	TREO212	Te Ngao Mamaku 2 <i>For Year 13 students with 24 credits in Te Reo Māori at NCEA Level 3 or those who have completed TREO211.</i> An intermediate level course in Te Reo Māori that continues the study of the structure of Te Reo Māori and extends your speaking skills through the study of a range of everyday topics. The course aims to increase the range and fluency of conversational ability to help lay the groundwork for future growth.	15		S2	\$633

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Writing	WRIT101	Writing for Academic Success <i>Students who have completed ENGL117 should not enrol in this course.</i> This course fosters the capacity for analytical thought about texts and language. It also provides training in the writing of clear and effective prose, inculcates awareness of crucial structural and rhetorical features of expository writing, and encourages the application of that awareness to writing in a range of academic and professional contexts.	15	S1	S2	\$633
Youth and Community Leadership	YACL101	Introduction to Youth Leadership: Leading the Self In this course, students will explore self-leadership from contemporary psychological, philosophical, cultural, and/or any other theoretical perspective/s relevant to their situation and to contemporary Aotearoa. Kaupapa Māori approaches will be explored, as part of which students will be required to have experienced a stay on the noho marae (or alternative).	15	S1		\$633
	YACL102	Introduction to Professional Youth Work in Aotearoa In this course, students will be introduced to and learn about the professional practice of youth work in Aotearoa. Students will learn about the context within which youth work in Aotearoa operates, its history and current structures.	15		S2	\$633

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“I enrolled in PYSC105 during Semester 1 and am currently taking PYSC106 as a STAR student. This experience has greatly enhanced my understanding of university course structures and has prepared me well for the academic journey ahead. I have applied to start the Bachelor of Psychological Science in 2025, and with the credits from my STAR courses, I’ll already have 30 points toward my degree.”

Mel
 Middleton Grange School,
 STAR student 2024

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