2020
Unistart Programme
University papers for secondary school students
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**On the cover**

Dylan Woodhouse  
St Paul’s Collegiate School  
Unistart student 2018  
Now studying Bachelor of Laws with Honours, majoring in Law and Political Science
Apply for Unistart in three easy steps

1. Get the right advice

Your school career advisor and our Unistart Coordinator can help you select the papers that are best for you. For study advice, email unistart@waikato.ac.nz or call 07 837 9309.

**Note:** Before you can apply for Unistart, your school needs to enter into a Unistart Agreement with us. We’ll organise this directly with your school so be sure to inform your school career advisor of your plans before you start this process.

2. Apply to enrol

Once you know what papers you want to study and you have received your school’s approval to do Unistart, visit waikato.ac.nz/study/unistart to submit an online application to enrol.

3. Completion of enrolment

If you meet the Unistart Scholarship eligibility criteria (set out in page 2), as well as the programme entry requirements, you will need to select your paper/s. Then you will receive an enrolment agreement with zero fees. Accepting this agreement will give you access to your paper.

If you are unsuccessful in meeting the Unistart Scholarship eligibility criteria, but have met the programme entry requirements, your offer will include paper fees. If this is the case, we will get in contact with you to get confirmation that you want to proceed with the enrolment, before we finalise the application.
Welcome to Unistart

If you’re a secondary school student, the Unistart programme gives you a head-start in tertiary education by letting you complete university papers while you’re still at school.

Not only does the programme offer a stimulating challenge, it boosts confidence and gives insight into what it takes to study at University level.

There are more than 40 papers to choose from, many of which are taught online, and completed Unistart papers can be credited towards an undergraduate (bachelors) degree at the University of Waikato.

What does a Unistart paper involve?

Unistart papers are generally run over one trimester and are worth 15 points. The workload is around 8 - 10 hours a week, which can include time watching online lectures, reading online course materials, lab work, working on assignments or preparing for and sitting tests and exams.

Entry Requirements

Unistart is open to all year 12 and 13 secondary school students who:

• Have met the criteria for discretionary entrance to university (check waikato.ac.nz/discretionary-entrance for details);
• Are between 16 and 20 years old at the start of the Unistart paper, and;
• Have approval from their school.

NOTE: If you are an international student, your current visa needs to cover tertiary level study. If it does not, you will need to apply for a Variation of Conditions on your visa (VOC) and have this approved by Immigration NZ before you apply for Unistart.

Unistart Scholarship

The University of Waikato Unistart Scholarship covers the cost of up to two Unistart papers. Students will automatically be considered for this scholarship when accepted into the Unistart Programme – no additional application is required.

Scholarship eligibility criteria:

As well as meeting the above entry requirements for Unistart, you will also need:

• NCEA Level 2 or above endorsed with merit or excellence; and
• New Zealand citizenship or permanent residency.

Fees-free eligibility

The Unistart programme does not affect a student’s fees-free eligibility, because it is not considered prior study. See feesfree.govt.nz for more information.

Get in touch

If you have any questions about Unistart or want more information about your study options, we’re happy to help. Visit Waikato.ac.nz/study/unistart or contact us:

Unistart Programme Coordinator
info@waikato.ac.nz
(07) 837 9309

The University of Waikato
recruitment@waikato.ac.nz
0800 WAIKATO
2020 Unistart papers

Papers taught online
Online Unistart papers allow students to experience studying at the University of Waikato without needing to attend on-campus classes. Moodle is the primary online learning environment at the University of Waikato. On Moodle, students can watch uploaded lectures, interact with their tutors and access paper specific resources that have been made available by the lecturer.

Most online papers are 100% internally assessed. This means the paper will finish three weeks earlier than the listed Trimester end date (which accounts for study week and our two-week exam period).

If you have questions about a specific online paper, please get in touch with the listed contact person or our Unistart Programme Coordinator: unistart@waikato.ac.nz

Computer Science

Introduction to Computer Science
COMPX101-20A (NET)
15 POINTS

This paper introduces computer programming in C# - the exciting challenge of creating software and designing artificial worlds within the computer. It also covers concepts such as the internals of the home computer, the history and future of computers, cyber security, computer gaming, databases, mobile computing and current research and challenges in computer science.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Nilesh Kanji, nilesh.kanji@waikato.ac.nz

Digital Learning

Developing Digital Fluency
DLRNG100-20A (NET)
15 POINTS

This paper offers a foundation for students learning to navigate and communicate effectively through digital learning environments. It incorporates purposeful selection of technologies for learning, and digital literacy which includes being able to research, create, evaluate and apply technical skills while doing so.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Sara Archard, sara.archard@waikato.ac.nz

Economics

Business Economics and the New Zealand Economy
ECONS101-20A (SEC)
15 POINTS

An introduction to the analysis of market environments and the New Zealand economy from a business and policy perspective.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Michael Cameron, michael.cameron@waikato.ac.nz
**Education and Society**

The New Zealand Educational Context  
EDSOC101-20B (NET)  
15 POINTS

The paper addresses the educational policies, ideas and processes shaping the educational contexts within which New Zealanders learn and teach.

**Teaching dates:** B Trimester (13 Jul – 6 Nov)  
**Entry:** You must meet the entry requirements of Unistart  
**Online applications close 3 July 2020**

**Contact Person:** Martin Thrupp,  
martin.thrupp@waikato.ac.nz

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**Health, Sport and Human Performance**

Understanding Hauora, Health and Wellbeing  
CMYHE101-20A (NET)  
15 POINTS

This paper examines a social determinants approach to Health. It includes exploration of a range of interactions that influence the health of populations and determinants of health in New Zealand and global contexts.

**Teaching dates:** A Trimester (2 Mar – 26 Jun)  
**Entry:** You must meet the entry requirements of Unistart  
**Online applications close 21 February 2020**

**Contact Person:** Courtney Kelly,  
courtney.kelly@waikato.ac.nz

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**Geography**

People and Place  
GEOGY101-20B (NET)  
15 POINTS

An introduction to the new geographies of globalisation and cultural change. Lectures will introduce students to contemporary human geography topics and to the ways in which perspective shapes understandings of people, place and processes.

**Teaching dates:** B Trimester (13 Jul – 6 Nov)  
**Entry:** You must meet the entry requirements of Unistart  
**Online applications close 3 July 2020**

**Contact Person:** Colin McLeay,  
colin.mcleay@waikato.ac.nz

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**Sport, Culture and Development: Trends and Issues**  
SDCOA101-20B (NET)  
15 POINTS

In this paper students will gain an introduction to sociological understandings of sport and movement cultures. They will develop new ways of critically thinking about the important role sport plays in contemporary society, including the economy, politics, tourism, the media, and our sense of identity, belonging and community. Students will be introduced to a range of sociological concepts—including history, sociology, social psychology, philosophy—from a sport development perspective, and learn how to apply these to local, national and international sporting contexts.

**Teaching dates:** B Trimester (13 Jul – 6 Nov)  
**Entry:** You must meet the entry requirements of Unistart  
**Online applications close 3 July 2020**

**Contact Person:** Courtney Kelly,  
courtney.kelly@waikato.ac.nz
Now studying a Bachelor of Computing and Mathematical Sciences with Honours

The Unistart Programme gave me the opportunity to get a head start in studying a subject that I have a real passion for. Managing the workload of a couple of uni papers alongside high school was tough, but thanks to the support I received throughout the programme from my school and the uni, I felt I had the resources I needed to succeed.

Unistart was a great stepping stone from the classroom environment to the lecture theatre. It was really useful to learn what it’s like to complete a paper before actually heading off to uni. Now in my first year of a Bachelor of Computing and Mathematical Sciences with Honours, I can really see the benefit of taking Unistart papers – it was worth the hard work.
Human Development

Lifespan Development
HMDEV100-20B (NET)
15 POINTS

This paper focuses on understanding and enhancing human development through an exploration of biological, psychological, social and cultural factors that influence patterns of development and learning over the lifespan.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart

Online applications close 3 July 2020
Contact Person: Sheralyn Cook, sheralyn.cook@waikato.ac.nz

Language and Literacy Education

Writing for Academic Success
WRITE100-20A (NET)
15 POINTS

The paper gives opportunities for undergraduate students to develop their academic literacy skills. It begins with general academic communication and research skills and then embeds academic literacy practice within disciplines of study.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Laura Gurney, laura.gurney@waikato.ac.nz

Law

Introduction to New Zealand Law and Society
LEGAL105-20A (NET)
LEGAL105-20C (NET)
15 POINTS

An introduction for non-lawyers to the nature and functions of law and the processes of law-making. The relationship between law and society will be illustrated by relevant examples.

Teaching dates LEGAL105-20A (NET): A Trimester (2 Mar – 26 Jun)
Online applications close 21 February 2020
Teaching dates LEGAL105-20C (NET): C Trimester (16 Nov – 19 Feb 2021)
Online applications close 6 November 2020
Entry: You must meet the entry requirements of Unistart
Contact Person: Marie Were, marie.were@waikato.ac.nz
Māori and Indigenous Studies

He Hiŋatore ki te Ao Māori: Introducing the Māori World
MĀORI102-20A (NET)
15 POINTS

This is an introduction to the Māori worldview, language, social organisation including the analysis of the Treaty of Waitangi/Te Tiriti o Waitangi and its relevance.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Nikki Kennedy, nikki.kennedy@waikato.ac.nz

He Hinatore ki te Ao Māori: Introducing the Māori World
MĀORI102-20B (NET)
15 POINTS

This is an introduction to the Māori worldview, language, social organisation including the analysis of the Treaty of Waitangi/Te Tiriti o Waitangi and its relevance.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart

Online applications close 3 July 2020
Contact Person: Katarina Edmonds, katarina.edmonds@waikato.ac.nz

Maori Education

Huarahi Matauranga Māori: Historical and Contemporary Approaches to Māori Education
MAOED100-20A (NET)
15 POINTS

This paper examines historical and contemporary approaches in Māori education provision in Aotearoa New Zealand. It explores policies, practices and developments that have impacted on the educational development of Māori.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Katarina Edmonds, katarina.edmonds@waikato.ac.nz

Māori Language/Te Reo Māori

Te Reo Māori: Intermediate 1
MĀORI211-20A (SEC)
15 POINTS

This paper develops the complexity in language skills required in the communication of detailed travel directions, describing internal and external characteristics of a person and describing objects.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Hori Manuirirangi, hori.muirirangi@waikato.ac.nz
Music

Composition 1
MUSIC115-20B (NET)
15 POINTS

The development of creative musical skills and techniques based on classical and popular idioms; song writing; melody writing; thematic development; harmonic understanding; two-part counterpoint. Computer technology will be used as a composition and publishing tool.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Michael Williams, michael.williams@waikato.ac.nz

Philosophy

Critical Thinking
PHILO103-20A (NET)
15 POINTS

This paper helps students to engage critically with the sorts of arguments encountered both inside and outside the University.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Justine Kingsbury, justine.kingsbury@waikato.ac.nz

Social and Moral Philosophy
PHILO106-20A (NET)
15 POINTS

This is a study of key concepts in areas of applied ethics including abortion, euthanasia, health care, children’s rights, pornography, justice, environmental issues, religion and ethics, and other issues.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Liezl van Zyl, liezl.vanzyl@waikato.ac.nz
2020 Unistart papers

Political Science

Introduction to International Relations
IRSST103-20A (NET)
15 POINTS

This paper provides an introduction to the study of international relations in an era of globalisation. It covers the historical background, key concepts and theories, case studies, and contemporary developments in the study of world politics.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 21 February 2020
Contact Person: Reuben Steff, reuben.steff@waikato.ac.nz

International Languages and Cultures

Intermediate Spanish 1
SPNSH231-20A (NET)
15 POINTS

This intermediate language acquisition paper enables students to gain competence in grammar, culture and conversation.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 21 February 2020
Contact Person: Laura Lopez-Fernandez, laura.lopez-fernandez@waikato.ac.nz

Intermediate Spanish 2
SPNSH232-20B (NET)
15 POINTS

This paper is a continuation of SPNSH231. Students further develop skills in reading, writing, speaking and understanding Spanish.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 3 July 2020
Contact Person: Laura Lopez-Fernandez, laura.lopez-fernandez@waikato.ac.nz

International Languages and Cultures
INTLC101-20G (NET)
15 POINTS

A cultural perspectives paper with a thematic focus on China, France, Japan, Spain and Latin America.

Teaching dates: G teaching period (9 Nov - 18 Dec)
Entry: You must meet the entry requirements of Unistart
Online applications close 30 October 2020
Contact Person: Laura Lopez-Fernandez, laura.lopez-fernandez@waikato.ac.nz
International Languages and Cultures Continued

European and Latin American Cultures: Tradition and Modernity
INTLC222-20A (NET)
15 POINTS

This paper explores aspects of European and Latin American cultures, history and society. This paper is taught in English and is open to all students, including those who have no prior knowledge of French and Spanish.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 21 February 2020
Contact Person: Laura Lopez-Fernandez, laura.lopez-fernandez@waikato.ac.nz

Screen and Media

Understanding Visual Culture
MEDIA100-20B (NET)
15 POINTS

Our lives are dominated by still and moving images and visual technologies. This paper will constitute an important first step in learning to understand how images variously work to convey ideas, their impact and influence on our behaviour, thinking and culture. It draws on a broad theoretical platform from aesthetics, art history, psychology of perception, social semiotics and more to provide skills in analysis, interpretation, and construction.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 3 July 2020
Contact Person: Gareth Schott, gareth.schott@waikato.ac.nz

NOTES:
Now studying a Bachelor of Arts, majoring in Te Reo Māori and Japanese

I could have taken a gap year, but I really wanted to make sure I had the very best start to my university studies. I was also in a unique position – I went to a wharekura where my kaiako (teachers) supported me to complete all of my NCEA Level 3 exams in Year 12.

My Unistart papers were challenging and engaging so I felt very motivated. Navigating Moodle and studying online was easy. Completing these papers and getting support from my lecturer has meant that I will now finish my Bachelor of Arts in Te Reo Māori and Japanese within two and a half years.
Papers taught on campus

For most of our on-campus papers, Unistart students attend lectures, tutorials or labs and complete the same assessments as other University of Waikato students enrolled in the paper.

In the case of our on-campus mathematics and science papers, elements may be taught in conjunction with secondary school where suitable staff and facilities are available. If you have questions about a specific on-campus paper, please get in touch with the listed contact person or our Unistart Programme Coordinator: unistart@waikato.ac.nz

Please note: all papers listed below are taught at the University of Waikato Hamilton campus unless otherwise stated.

Computer Science

Introduction to Computer Science
COMPX101-20B (HAM)
15 POINTS

This paper introduces computer programming in C# - the exciting challenge of creating software and designing artificial worlds within the computer. It also covers concepts such as the internals of the home computer, the history and future of computers, cyber security, computer gaming, databases, mobile computing and current research and challenges in computer science.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart

Online applications close 3 July 2020

Contact Person: Nilesh Kanji, nilesh.kanji@waikato.ac.nz

Object-Oriented Programming
COMPX102-20B (HAM)
15 POINTS

This paper continues from COMPX101, expanding upon data organisation and algorithms, and introducing code contracts, computer architecture, Boolean algebra, assembly language, program analysis and object-oriented programming.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart. In addition students should normally have completed the following prerequisite paper:

COMP103/COMPX101, or have relevant computing experience subject to Chairperson’s approval.

Online applications close 3 July 2020

Contact Person: David Bainbridge, david.bainbridge@waikato.ac.nz
Mathematics

Introduction to Calculus
MATHS101-20A (HAM)
15 POINTS

This is a study of the fundamental techniques of calculus, including differentiation and integration for functions of one real variable, with applications to rate problems, graph sketching, areas and volumes.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart. In addition, students should meet the following prerequisite:
16 credits of NCEA Level 3 Calculus including at least 11 credits from AS91577, AS91578 and AS91579; or equivalent. Note that in cases where, for timing reasons, a student has yet to sit NCEA, we may accept the advice of the student’s school mathematics teacher that they have reached an equivalent standard.

Online applications close 21 February 2020
Contact Person: Ian Hawthorn, ian.hawthorn@waikato.ac.nz

Introduction to Algebra
MATHS102-20B (HAM)
15 POINTS

This is a study of the fundamental techniques and applications of algebra including Gaussian elimination, vector and matrix algebra, complex numbers, induction and recursion.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart.

Online applications close 3 July 2020
Contact Person: Ian Hawthorn, ian.hawthorn@waikato.ac.nz

International Languages and Cultures

Intermediate Spanish 1
SPNSH231-20A (HAM)
15 POINTS

This intermediate language acquisition paper enables students to gain competence in grammar, culture and conversation.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 21 February 2020
Contact Person: Laura Lopez-Fernandez, laura.lopez-fernandez@waikato.ac.nz

Intermediate Spanish 2
SPNSH232-20B (HAM)
15 POINTS

This paper is a continuation of SPNSH231. Students further develop skills in reading, writing, speaking and understanding Spanish.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart

Online applications close 3 July 2020
Contact Person: Laura Lopez-Fernandez, laura.lopez-fernandez@waikato.ac.nz
European and Latin American Cultures: Tradition and Modernity
INTLC101-20B (HAM)
15 POINTS
A cultural perspectives paper with a thematic focus on China, France, Japan, Spain and Latin America.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 3 July 2020
Contact Person: Laura Lopez-Fernandez, laura.lopez-fernandez@waikato.ac.nz

European and Latin American Cultures: Tradition and Modernity
INTLC222-20A (HAM)
15 POINTS
This paper explores aspects of European and Latin American cultures, history and society. This paper is taught in English and is open to all students, including those who have no prior knowledge of French and Spanish.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 21 February 2020
Contact Person: Laura Lopez-Fernandez, laura.lopez-fernandez@waikato.ac.nz

English

Telling the Story
ENGLI100-20A (HAM)
15 POINTS
This paper examines the deep stories which are at the core of the English literary tradition and the wider Western canon, with examples from the poems of Keats to Star Wars IV: A New Hope.

Teaching dates: A Trimester (2 Mar – 26 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 21 February 2020
Contact Person: Mark Houlahan, mark.houlahan@waikato.ac.nz

Music

Chamber Music 1
MUSIC121-20D (HAM)
15 POINTS
This paper provides practical experience and development in a variety of chamber music formations, sonata duo, piano duet, piano trio, string quartet, vocal ensemble, as well as orchestral and choral practice, and, for keyboard players, continuo and accompanying skills.

Teaching dates: D Trimester (2 Mar – 6 Nov)
Entry: You must meet the entry requirements of Unistart. In addition, students must meet one of the following prerequisites:
NCEA - 20 credits in Music at Level 2; a Grade 3 theory pass or better with the New Zealand Music Examination Board (NZMEB) or grade 5 theory pass or better in Trinity College, or Royal College of Music examinations, or a qualification considered equivalent.

Students will be also be required to successfully complete an audition, and final entry is subject to approval by the Music programme. It is strongly recommended that Instrumental students apply as a chamber group, however individual applications will be considered on a case by case basis.
Online applications close 21 February 2020
Contact Person: James Tennant, james.tennant@waikato.ac.nz
Note: This paper can be completed outside of school hours.
Secondary Performance Studies 1  
MUSIC101-20D (HAM)  
15 POINTS

Students develop musical interpretation and technical skills in their chosen instrument/voice through weekly individual lessons and broaden their repertoire knowledge and performance opportunities at Friday performance hour sessions.  

Teaching dates: D Trimester (2 Mar – 6 Nov)  
Entry: You must meet the entry requirements of Unistart. In addition, students must meet one of the following prerequisites:  
NCEA - 20 credits in Music at Level 2; a Grade 3 theory pass or better with the New Zealand Music Examination Board (NZMEB) or grade 5 theory pass or better in Trinity College, or Royal College of Music examinations, or a qualification considered equivalent.  

Students will also be required to successfully complete an audition, and final entry is subject to approval by the Music programme. It is strongly recommended that Instrumental students apply as a chamber group, however individual applications will be considered on a case by case basis.  

Online applications close 21 February 2020  
Contact Person: James Tennant, james.tennant@waikato.ac.nz  
Note: This paper can be completed outside of school hours.

Science

Chemistry

Structure and Spectroscopy  
CHEMY101-20A (HAM)  
15 POINTS

This is a theoretical and practical course covering aspects of analytical and inorganic chemistry. This course is required for the chemistry major.  

Teaching dates: A Trimester (2 Mar – 26 Jun)  
Entry: You must meet the entry requirements of Unistart. In addition, students should meet the following prerequisite:  
University entry, preferably including 16 points at Level 3 NCEA Chemistry (exceptions may be made for students with a strong background in maths or physics).  

Online applications close 21 February 2020  
Contact Person: Bill Henderson, bill.henderson@waikato.ac.nz

Chemical Reactivity  
CHEMY102-20B (HAM)  
15 POINTS

This is a theoretical and practical course covering aspects of physical and organic chemistry. This course is required for the chemistry major.  

Teaching dates: B Trimester (13 Jul – 6 Nov)  
Entry: You must meet the entry requirements of Unistart. In addition, students should normally meet the following prerequisite:  
University entry, preferably including 16 credits at NCEA level 3 chemistry (exceptions may be made for students with a strong background in maths or physics).  

Online applications close 3 July 2020  
Contact Person: Merilyn Manley-Harris, merilyn.manley-harris@waikato.ac.nz
**Earth Science**

**Introduction to Earth System Sciences**  
EARTH101-20B (HAM)  
**15 POINTS**

A lecture and laboratory paper that explores the interacting processes that affect the surface of the Earth, producing landforms and resources, with a focus on physical processes. Topics covered include coastal processes and hazards; climate change; weathering; erosion and mass movement; soil formation; the hydrological cycle; rivers and groundwater; and glaciers. A one day field trip introduces students to the local environment. This paper is required for the Earth Sciences major.

**Teaching dates:** B Trimester (13 Jul – 6 Nov)  
**Entry:** You must meet the entry requirements of Unistart

**Online applications close 3 July 2020**  
**Contact Person:** Hazel Needham, hazel.needham@waikato.ac.nz

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**Discovering Planet Earth**  
EARTH102-20A (HAM)  
**15 POINTS**

A lecture and laboratory paper that explores the Earth’s interior and its dynamic interaction with the crust, including: the major rocks and minerals; interpreting the rock record and geologic maps; the geological time scale and fossils; plate tectonics; volcanism; earthquakes. This paper is required for the Earth Sciences major.

**Teaching dates:** A Trimester (2 Mar – 26 Jun)  
**Entry:** You must meet the entry requirements of Unistart

**Online applications close 21 February 2020**  
**Contact Person:** Adrian Pittari, adrian.pittari@waikato.ac.nz

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**Ecology and Biodiversity**

**Concepts of Biology**  
BIOEB101-20A (HAM)  
**15 POINTS**

An introduction to the foundations of biology, including the structure and functioning of cells, evolution, the origins and diversity of life, and a tour of the major forms of life and their defining characteristics. This paper is required for both biology majors.

**Teaching dates:** A Trimester (2 Mar – 26 Jun)  
**Entry:** You must meet the entry requirements of Unistart

**Online applications close 21 February 2020**  
**Contact Person:** Ian McDonald, ian.mcdonald@waikato.ac.nz
Introduction to Ecology and Biodiversity
BIOEB102-20B (HAM)
15 POINTS

An introduction to the principles of ecology and biodiversity. Topics include population, community and ecosystem ecology, conservation biology, and the structure, functioning and environmental responses of animals and plants. Examples will include New Zealand ecosystems and biota. This paper is required for the Ecology & Biodiversity major.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 3 July 2020
Contact Person: Mike Clearwater, mike.clearwater@waikato.ac.nz

Environmental Science
ENVSC101-20A (TGA)
15 POINTS

A scientific study of the interaction between humans and the environment including climate change, utilisation and exploitation of natural resources and the effects of human activities on biological, chemical and physical processes that form resources and control ecosystems. This paper is required for the Environmental Sciences major.

Teaching dates: B Trimester (13 Jul – 6 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 3 July 2020
Contact Person: Ian Hawes, ian.hawes@waikato.ac.nz
Environmental Science
ENVSC101-20B (HAM)
15 POINTS

A scientific study of the interaction between humans and the environment including climate change, utilisation and exploitation of natural resources and the effects of human activities on biological, chemical and physical processes that form resources and control ecosystems. This paper is required for the Environmental Sciences major.

**Teaching dates:** B Trimester (13 Jul – 6 Nov)
**Entry:** You must meet the entry requirements of Unistart

*Online applications close 3 July 2020*

**Contact Person:** Ian Hawes, ian.hawes@waikato.ac.nz

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Molecular and Cellular Biology

**Introduction to Cellular and Molecular Biology**

BIOMO101-20B (HAM)

15 POINTS

An examination of the ultrastructure and function of cells and the energy flow in photosynthesis, respiration and metabolism. Topics include an introduction to microbiology and immunology, DNA as biological information, its transfer and variability, including recombinant DNA, and the principles of evolution.

**Teaching dates:** B Trimester (13 Jul – 6 Nov)
**Entry:** You must meet the entry requirements of Unistart

*Online applications close 3 July 2020*

**Contact Person:** Steve Bird, steve.bird@waikato.ac.nz

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NOTES:
Enrolment & study information

Paper delivery
Unistart papers are taught either online or on-campus.

Before you apply for an on-campus paper, make sure you can attend classes in person at their scheduled times.

Access to Resources and Student ID cards
Once your enrolment is complete, you'll get an email with your student login details and instructions to access our online learning resources. If you haven't received this email before teaching starts, contact our Unistart Coordinator at unistart@waikato.ac.nz or 07 837 9309.

To get your student ID card, you can either send a passport-sized colour photo to idcards@waikato.ac.nz (include your student ID number in the email) or have your photo taken at the Student Centre on the Hamilton campus. Your ID card gives you access to campus printers and computer labs and you also need it to collect assignments and sit exams.

Assessments
Unistart papers often combine internal and external assessments. Check assessment details for each paper in the paper section.

Final exams are held at the University of Waikato Hamilton and Tauranga campuses. If you don’t live near either of these locations, you can arrange to sit your exam at your school or at a local tertiary education provider. Contact the Unistart Coordinator at unistart@waikato.ac.nz or 07 837 9309 to make alternative exam arrangements.

Grades & Results Notifications
You can access your final grades and results at my.waikato.ac.nz four weeks after the end of trimester. You’ll also receive a notification of your results via email.

Visit waikato.ac.nz/go/grades to see our grading scale. For other grading rules and regulations visit calendar.waikato.ac.nz.

To request an academic transcript visit waikato.ac.nz/go/transcript.

Library
Get your studies off to a great start. Learn how to find quality academic material for your assignments, how to reference correctly, navigate your library account and more, visit waikato.ac.nz/library

Student Services
We’re here to help you get the advice and support you need to make sure your Unistart experience is successful. Our student services include tutoring, mentoring, IT support and health services. For a full run down of what we offer, visit waikato.ac.nz/go/student-services.

Withdrawing from papers
If you need to withdraw from a Unistart paper, the best time to do this is in the first two weeks of trimester. During this time you’ll get a refund of fees (if you didn’t receive the Unistart scholarship) and nothing will appear on your academic transcript. After two weeks, you won’t receive a full refund and you’ll get a ‘withdrawn’ (WD) or ‘incomplete’ (IC) notice on your academic transcript. To withdraw, please submit a request to the Unistart Coordinator explaining why you wish to do so.

Paper Costs
To find out which each Unistart paper costs, click on the individual paper codes online at waikato.ac.nz/study/unistart. Remember if you receive the Unistart Scholarship, these costs will be fully covered. For information on how to pay, visit waikato.ac.nz/go/pay.

Get in touch
If you have any questions about the Unistart Programme or would like more information about study options, we’re happy to help.

Visit waikato.ac.nz/study/unistart or contact us:

Unistart Programme Coordinator
unistart@waikato.ac.nz
07 837 9309

Future Student Advisers
info@waikato.ac.nz
0800 WAIKATO
<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>Final deadline for secondary schools to return signed Unistart Agreements to the University</td>
<td>7 February 2020</td>
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<tr>
<td>Last date for Enrolment Applications for A Trimester</td>
<td>21 February 2020</td>
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<td><strong>A and D Trimesters start</strong></td>
<td><strong>2 March 2020</strong></td>
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<td>Last date for fee-paying students to withdraw from papers for A and D Trimesters and get a full refund of fees</td>
<td>15 March (A) 29 March (D) 2020</td>
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<td>Last date to withdraw from papers for A and D Trimesters (no refund for fee-paying students)</td>
<td>12 April 2020</td>
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<td><strong>A Trimester ends</strong></td>
<td><strong>26 June 2020</strong></td>
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<tr>
<td>Last date for Enrolment Applications for B Trimester</td>
<td>3 July 2020</td>
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<tr>
<td><strong>B Trimester starts</strong></td>
<td><strong>13 July 2020</strong></td>
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<tr>
<td>Last date for fee-paying students to withdraw from papers for B Trimester and get a full refund of fees</td>
<td>26 July 2020</td>
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<tr>
<td>Last date to withdraw from papers for B Semester (no refund for fee-paying students)</td>
<td>23 August 2020</td>
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<td>Last date for Enrolment Applications for G papers</td>
<td>30 October 2020</td>
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<td>Last date for Enrolment Applications for C Trimester</td>
<td>6 November 2020</td>
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<tr>
<td><strong>B and D Trimesters end</strong></td>
<td><strong>6 November 2020</strong></td>
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<tr>
<td><strong>G papers start</strong></td>
<td><strong>9 November 2020</strong></td>
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<tr>
<td><strong>C Trimester starts</strong></td>
<td><strong>16 November 2020</strong></td>
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<td>Last date for fee-paying students to withdraw from G papers and C Trimester papers, and get a full refund of fees</td>
<td>15 November (G) and 29 November (C) 2020</td>
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<td>Last date to withdraw from G papers and C Trimester papers (no refund for fee-paying students)</td>
<td>29 November (G) and 6 December (C) 2020</td>
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<td><strong>G papers end</strong></td>
<td><strong>18 December 2020</strong></td>
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<tr>
<td><strong>C Trimester ends</strong></td>
<td><strong>19 February 2021</strong></td>
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Lily McDonald
Raglan Area School

Unistart Student 2018

Now studying a Bachelor of Health, Sport and Human Performance

Taking a Unistart paper impulsively has paid off and as a result I now feel much more confident as a first year Bachelor of Health, Sport and Human Performance student at Waikato. Unistart was promoted as an opportunity to decrease workload during my first year at uni, and while this is a fair point, the value I got out of the programme covered a lot more ground in a way I hadn’t anticipated. I found it quite challenging initially – it’s hard to commit to an optional workload increase like this, however I can say with confidence that it was worth it. I feel I’ve gained a unique comprehension of the university experience. The paper structure, grading system and management of time associated with uni study is a lot to wrap your head around, so it’s been hugely beneficial to get this initial phase of uncertainty out of the way before tackling first year.