2019
Unistart Programme
University papers for secondary school students
Welcome to Unistart

The University of Waikato Unistart Programme gives enthusiastic and competent secondary school students a head-start in tertiary education by enabling them to complete university papers while still at school.

Not only does the programme offer students a stimulating challenge, it gives them the confidence in knowing they have what it takes to go to University.

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 degree at the University of Waikato.

What does a Unistart paper involve?

Unistart papers are generally run over one semester and are worth 15 points. Most students would have a workload of around 8-10 hours a week, which can include time watching their online lectures, reading the online course materials, working on assignments and preparing for and sitting an exam/test.

Please note that university semester dates do not always align with secondary school term dates. While this won’t affect the programme experience, students may need to be interacting with their paper during their term break. For semester dates see page 19.

Programme entry requirements

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

• have met the criteria for discretionary entrance to university (visit 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.

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 programme entry requirements for Unistart, students will also need:

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

Get in touch

If you have any questions about Unistart 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
recruitment@waikato.ac.nz
0800 WAIKATO

On the cover

Cathan Bowler
Hamilton Boys’ High School
Unistart student 2017
Now studying a Bachelor of Management Studies with Honours, majoring in Strategic Management.

Apply in three easy steps

1. Get the right advice

Your school career adviser 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 adviser of your plans before you start this process.

2. Apply to enrol

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

3. Complete your enrolment

If you meet the Unistart Scholarship eligibility criteria, as well as the programme entry requirements, after you have selected your paper(s) of choice 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 contact you to confirm that you want to proceed with the enrolment, before we finalise the application.

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Unistart Programme 2019

Papers taught online
Our online Unistart papers enable students to experience university study from the comfort of their school classroom. Each paper has a dedicated paper site on Moodle, our online teaching and learning platform. Moodle is the online classroom for our NET papers, where students can watch recorded lectures, interact with their tutors and access paper specific resources that have been made available by the lecturer.

As an added bonus, most of our online papers are 100% internally assessed. This means the paper will finish three weeks earlier than the listed semester end date (which accounts for study week and a two-week exam period).

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

Computer Science

Introduction to Computer Science
COMPX101-19A(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 Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Nilesh Kanji, nilesh.kanji@waikato.ac.nz

Digital Learning

Developing Digital Fluency
DLRN100-19A(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 Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Sara Archard, sara.archard@waikato.ac.nz

Economics

Business Economics and the New Zealand Economy
ECONS101-19A(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 Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Michael Cameron, michael.cameron@waikato.ac.nz

Education and Society

The New Zealand Educational Context
EDSOC101-19B(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 Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 28 June 2019.
Contact person: Sussi Bell, sussi.bell@waikato.ac.nz

Geography

People and Place
GEOGY101-19B(NET)
15 POINTS
This paper introduces students to contemporary human geography topics - people, places, processes - and to the ways in which perspective shapes what is 'seen' and understood. Particular attention will be paid to representations of people and places by examining maps, music, video and other cultural texts. The paper provides opportunity for individual initiative and is intended to be challenging, stimulating and enjoyable.

Teaching dates: B Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 28 June 2019.
Contact person: Colin McLeay, colin.mcleay@waikato.ac.nz

Health, Sport and Human Performance

Understanding Hauora, Health and Wellbeing
CMYHE101-19A(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 Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Courtney Kelly, courtney.kelly@waikato.ac.nz
2019 Unistart papers

Health, Sport and Human Performance continued

**Sport, Culture and Development: Trends and Issues**  
SDCOA101-19B(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 Semester (8 Jul – 1 Nov)  
**Entry:** You must meet the entry requirements of Unistart  
**Online applications close 28 June 2019.**  
**Contact person:** Courtney Kelly, courtney.kelly@waikato.ac.nz

**Language and Literacy Education**

**Writing for Academic Success**  
WRITE100-19A(NET)  
15 POINTS  
The paper gives students opportunities to develop their academic writing and reading skills. Students are encouraged to write across a range of text types for different academic audiences and to develop their abilities to research, plan, draft and revise systematically. The paper is appropriate for students studying across academic disciplines.  
**Teaching dates:** A Semester (25 Feb – 21 Jun)  
**Entry:** You must meet the entry requirements of Unistart  
**Online applications close 15 February 2019.**  
**Contact person:** Laura Gurney, laura.gurney@waikato.ac.nz  
*Availability is subject to approval

**Human Development**

**Lifespan Development**  
HMDEV100-19B(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 Semester (8 Jul – 1 Nov)  
**Entry:** You must meet the entry requirements of Unistart  
**Online applications close 28 June 2019.**  
**Contact person:** Sherlayn Cook, sheralyn.cook@waikato.ac.nz  
*Availability is subject to approval

Bachelor of Science, majoring in Psychology

Unistart was the best possible stepping stone from high school to university life. I completed the human development and writing papers during my last year at school.

Not only did Unistart help me to develop my university study skills, it also helped me to improve my NCEA results and win a Te Ara ki Angitū scholarship for my first full-time year of study at Waikato.

Balancing school with university papers was a challenge, but it was definitely worth the hard work. I received a lot of support throughout the programme, from both my school and the uni.

Now in my first year of a Bachelor of Science, I am really enjoying life at university. In the future, I hope to become a psychiatrist or emergency medicine doctor, and one day run my own GP practice in rural communities.
2019 Unistart papers

Law

Introduction to New Zealand Law and Society
LEGAL105-19A(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: A Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Marie Were, marie.were@waikato.ac.nz

Māori and Indigenous Studies

He Hīnātore ki te Ao Māori: Introducing the Māori World
MAORI102-19A(NET) 15 POINTS
This is an introduction to the Māori world view, language, social organisation including the analysis of the Treaty of Waitangi/Te Tiriti of Waitangi and its relevance.
Teaching dates: A Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Rangi Matamua, rangi.matamua@waikato.ac.nz

Māori Education

Huarahi Mātauranga Māori: Historical and Contemporary Approaches to Māori Education
MAOED100-19A(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 Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Sharon Campbell, sharon.campbell@waikato.ac.nz

Māori Language/Te Reo Māori

Te Reo Māori: Intermediate 1
MAORI112-19B(SEC) 15 POINTS
This paper builds on the skills acquired in MAORI111, developing further language skills required in using Māori to communicate about feelings, emotions and the weather.
Teaching dates: B Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart. In addition, students should normally have completed the prerequisite paper MAORI111, or have relevant te reo experience subject to Faculty’s approval.
Online applications close 28 June 2019.
Contact person: Tama Hata-Tipene, tama.hata-tipene@waikato.ac.nz

Music

Composition 1
MUSIC115-19B(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. This can be used for students to develop and polish their NCEA Level 3 and scholarship composition portfolios.
Teaching dates: B Semester (8 Jul - 1 Nov)
Entry: You must meet the entry requirements of Unistart. An ability to read music is presupposed.
Online applications close 28 June 2019.
Contact person: Michael Williams, michael.williams@waikato.ac.nz
Philosophy

Critical Thinking
PHILO103-19A(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 Semester (25 Feb - 21 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 15 February 2019.
Contact person: Justine Kingsbury,
justine.kingsbury@waikato.ac.nz

Critical Thinking
PHILO103-19B(NET)
15 POINTS
This paper helps students to engage critically with the sorts of arguments encountered both inside and outside the University.

Teaching dates: B Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart

Online applications close 28 June 2019.
Contact person: Justine Kingsbury,
justine.kingsbury@waikato.ac.nz

Critical Thinking
PHILO103-19T(NET)
15 POINTS
This paper helps students to engage critically with the sorts of arguments encountered both inside and outside the University.

Teaching dates: T Semester (11 Nov – 20 Dec)
Entry: You must meet the entry requirements of Unistart

Online applications close 1 November 2019.
Contact person: Justine Kingsbury,
justine.kingsbury@waikato.ac.nz

Social and Moral Philosophy
PHILO106-19A(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 Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 15 February 2019.
Contact person: Liezl van Zyl,
liezlvanzyl@waikato.ac.nz

Political Science

Introduction to International Relations
IRSS103-19A(NET)
15 POINTS
This paper introduces students to International Relations and examines the critical global problems facing humankind today. These include issues of war and peace, international terrorism, climate change, human rights, nuclear weapons, ideology, globalisation, and how rising powers and non-state actors are changing the world we live in.

Teaching dates: A Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart

Online applications close 15 February 2019.
Contact person: Joe Burton,
joeburton@waikato.ac.nz

Introduction to International Security
IRSS104-19B(NET)
15 POINTS
This course is an introduction to the study of international security. It examines a variety of contemporary security issues and explores how and why conflict emerges in the international system.

Teaching dates: B Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart

Online applications close 28 June 2019.
Contact person: Reuben Steff,
reuben.steff@waikato.ac.nz

Bachelor of Computing and Mathematical Sciences with Honours, majoring in Computer Science and Law

The Unistart Programme was the perfect opportunity for me to kick-start my university papers, bringing me one step closer to my goal of working in the technology industry. I completed the ‘Intro to Computer Science’ paper last year, while I was Head Boy at Matamata College.

I really enjoyed the flexibility of the Unistart Programme and I can’t speak highly enough of my tutor – he was always so helpful and accommodating. I also loved the challenge of completing a paper at a level above what I’m used to.

Now living in College Hall during my first year of study, I feel at home at the University of Waikato. I enjoy the diversity of the papers I’m taking and the challenge of learning new subjects. My lecturers and tutors make an effort to focus on the weaker areas of our knowledge, which is great.
**2019 Unistart papers**

**Papers taught on campus**

For most of our on campus papers, Unistart students attend lectures, tutorials or labs alongside current University of Waikato students enrolled in the same paper. They also complete the same assessments. This provides a more realistic experience of what studying at Waikato is like, and gives them even greater confidence that they have what it takes to attend and succeed at university.

In the case of our on campus mathematics and science papers, elements may be taught in conjunction with secondary schools where suitable staff and facilities are available.

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

**Computer Science**

**Introduction to Computer Science**

**COMPX101-19B(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 computers, cyber security, computer gaming, databases, mobile computing and current research and challenges in computer science.

**Teaching dates:** B Semester (8 Jul – 1 Nov)

**Entry:** You must meet the entry requirements of Unistart. In addition, students should have 16 credits in NCEA Level 3 Calculus including at least 11 credits from AS91577, AS91578 and AS91579; or equivalent.

**Online applications close 28 June 2019.**

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

**Object-Oriented Programming**

**COMPX102-19B(HAM)**

15 POINTS

This paper continues from COMPX101, assuming a knowledge of basic programming techniques, which it expands on particularly in the areas of data organisation and algorithms in the form of object-oriented programming. It also provides an introduction to: Boolean algebra, computer architecture, assembly language, and program analysis.

**Teaching dates:** 8 Semester (8 Jul – 1 Nov)

**Entry:** You must meet the entry requirements of Unistart. In addition, students should have 16 credits in 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 15 February 2019.**

**Contact person:** Ian Hawthorn, ian.hawthorn@waikato.ac.nz

**Mathematics**

**Introduction to Calculus**

**MATHS101-19A(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 Semester (2 Feb – 21 Jun)

**Entry:** You must meet the entry requirements of Unistart. In addition, students should have 16 credits in 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 15 February 2019.**

**Contact person:** Ian Hawthorn, ian.hawthorn@waikato.ac.nz

**Introduction to Calculus**

**MATHS101-19B(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:** B Semester (8 Jul – 1 Nov)

**Entry:** You must meet the entry requirements of Unistart. In addition, students should have 16 credits in 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 28 June 2019.**

**Contact person:** Ian Hawthorn, ian.hawthorn@waikato.ac.nz

**Introduction to Algebra**

**MATHS102-19A(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:** A Semester (25 Feb – 21 Jun)

**Entry:** You must meet the entry requirements of Unistart. In addition, students should have 16 credits in NCEA Level 3 Calculus; 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 15 February 2019.**

**Contact person:** Ian Hawthorn, ian.hawthorn@waikato.ac.nz

**Introduction to Algebra**

**MATHS102-19B(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 Semester (8 Jul – 1 Nov)

**Entry:** You must meet the entry requirements of Unistart. In addition, students should have 16 credits in NCEA Level 3 Calculus; 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 28 June 2019.**

**Contact person:** Ian Hawthorn, ian.hawthorn@waikato.ac.nz
2019 Unistart papers

Music

Chamber Music 1
MUSIC121-19Y(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: Y Semester (25 Feb – 1 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);
- Grade 5 theory pass or better in Trinity College or Royal College of Music examinations;
- 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 15 February 2019.
Contact person: James Tennant, james.tennant@waikato.ac.nz

Note: This paper can be completed outside of school hours.

Science

Chemistry

Structure and Spectroscopy
CHEM 102-19(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 Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart. In addition, students should normally have achieved 16 credits in NCEA Level 3 Chemistry (exceptions may be made for students with a strong background in maths or physics).

Online applications close 28 June 2019.
Contact person: Merilyn Manley-Harris, merilyn.manley-harris@waikato.ac.nz

Earth Sciences

Introduction to Earth System Sciences
EARTH101-19A(HAM)
15 POINTS

A 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. This paper is required for the Earth Sciences major.

Teaching dates: A Semester (25 Feb – 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Willem de Lange, willem.delange@waikato.ac.nz

Introduction to Earth System Sciences
EARTH101-19B(TGA)
15 POINTS

Delivered: Tauranga campus

A 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. This paper is required for the Earth Sciences major.

Teaching dates: B Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 28 June 2019.
Contact person: Willem de Lange, willem.delange@waikato.ac.nz
Earth Sciences continued

Discovering Planet Earth
EARTH102-19B(HAM)
15 POINTS
This paper 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: B Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 28 June 2019.
Contact person: Mike Clearwater, mike.clearwater@waikato.ac.nz

Ecology and Biodiversity

Concepts of Biology
BIOEB101-19A(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 Semester (25 Feb - 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Ian McDonald, ian.mcdonald@waikato.ac.nz

Introduction to Ecology and Biodiversity
BIOEB102-19B(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 Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 28 June 2019.
Contact person: Mike Clearwater, mike.clearwater@waikato.ac.nz

Introduction to Ecology and Biodiversity
BIOEB102-19B(TGA)
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 and Biodiversity major.

Teaching dates: B Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 28 June 2019.
Contact person: Mike Clearwater, mike.clearwater@waikato.ac.nz

Environmental Science

Environmental Science
ENVS101-19A(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: A Semester (25 Feb - 21 Jun)
Entry: You must meet the entry requirements of Unistart
Online applications close 15 February 2019.
Contact person: Ian Hawes, ian.hawes@waikato.ac.nz

Environmental Science
ENVS101-19B(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 Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 28 June 2019.
Contact person: Iain Duggan, iain.duggan@waikato.ac.nz

Molecular and Cellular Biology

Introduction to Molecular and Cellular Biology
BIOMO101-19B(HAM)
15 POINTS
This paper has been designed to introduce you to important aspects of molecular and cellular biology, which is an interdisciplinary field combining biochemistry, microbiology, genetics and physiology to study how cells function at the molecular level. In this course we will begin to explore the complex mechanisms that coordinate the essential systems that define a living cell and that allow cells to have differentiated properties. This knowledge will be to look at how unicellular and multicellular organisms function and how it can provide researchers with crucial insights into the basis of human and animal diseases.

Teaching dates: B Semester (8 Jul – 1 Nov)
Entry: You must meet the entry requirements of Unistart
Online applications close 28 June 2019.
Contact person: Steve Bird, steve.bird@waikato.ac.nz
### Enrolment & study information

**Paper delivery**
Unistart papers are taught online or at our Hamilton or Tauranga campus. Papers taught at the Hamilton campus have a 'HAM' code, and papers taught at the Tauranga campus have a 'TGA' code. For more information about online papers see page 4 and for on campus papers see page 12.

**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 on 07 837 9309.

**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 on 07 837 9309 to make alternative exam arrangements.

**Grades and results**
You can access your final grades and results at i.waikato.ac.nz four weeks after the end of semester. 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

### Important dates

<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>1 February 2019</td>
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<tr>
<td>Last date for enrolment applications for A Semester</td>
<td>15 February 2019</td>
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<tr>
<td>A and Y Semesters start</td>
<td>25 February 2019</td>
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<tr>
<td>Last date for fee-paying students to withdraw from papers for A and Y Semesters and get a full refund of fees</td>
<td>8 March 2019</td>
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<tr>
<td>Last date to withdraw from papers for A and Y Semesters (no refund for fee-paying students)</td>
<td>5 April 2019</td>
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<tr>
<td>A Semester ends</td>
<td>21 June 2019</td>
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<tr>
<td>Last date for enrolment applications for B Semester</td>
<td>28 June 2019</td>
</tr>
<tr>
<td>B Semester starts</td>
<td>8 July 2019</td>
</tr>
<tr>
<td>Last date for fee-paying students to withdraw from papers for B Semester and get a full refund of fees</td>
<td>19 July 2019</td>
</tr>
<tr>
<td>Last date to withdraw from papers for B Semester (no refund for fee-paying students)</td>
<td>16 August 2019</td>
</tr>
<tr>
<td>Last date for enrolment applications for T Semester</td>
<td>1 November 2019</td>
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<tr>
<td>B and Y Semesters end</td>
<td>1 November 2019</td>
</tr>
<tr>
<td>T Semester starts</td>
<td>11 November 2019</td>
</tr>
<tr>
<td>Last date for fee-paying students to withdraw from papers for T Semester and get a full refund of fees</td>
<td>15 November 2019</td>
</tr>
<tr>
<td>Last date to withdraw from papers for T Semester (no refund for fee-paying students)</td>
<td>22 November 2019</td>
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<tr>
<td>T Semester ends</td>
<td>20 December 2019</td>
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### 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**
  recruitment@waikato.ac.nz
  0800 WAIKATO