Waipapa Taumata Rau
University of Auckland

Undergraduate Prospectus 2027

# Science

2027

## Biological Sciences
## Environment
## Marine Science

## Chemical Sciences
## Physics

## Computer Science
## Mathematics
## Statistics

## Psychology
## Exercise, Sport and Rehabilitation Sciences

**No.1**
New Zealand University[1]

**Leader**
in Sustainability[2]

**TOP 50**
In the world for 5 subjects[3]

Ko Waipapa Taumata Rau mātou, e mihi nei,
e karanga nei ki te marea e hiahia ana
ki te kai i te mātauranga.
Nau mai, haere mai, herea mai tōu waka
ki te pou whakairo, He Taumata Rau.

We are Waipapa Taumata Rau, we greet,
we call to the many who desire the
sustenance of knowledge.
Welcome, come forth and fasten your vessel
to the carved post, He Taumata Rau.

# Nau mai, haere mai
# Welcome to the Faculty of Science

We are delighted to welcome you to the Faculty of Science at Waipapa Taumata Rau, University of Auckland. Whatever your aspirations, we are excited to support you as you begin your academic journey and find your pathway to a career in science and beyond.

Ranked 65th in the world by the QS World Rankings in 2025, the University of Auckland offers you a world-class education. In Science, we have ten schools and departments, with teaching and research staff who are leaders in their field, exceptional science facilities, and the flexibility to design a comprehensive degree. In a diverse and supportive environment, we will equip you with highly transferable skills.

If it's the student life you're after, our Halls of Residence offer you independence in a home away from home setting. This is also an opportunity to forge friendships and make lifelong connections as you set out to discover your path in the world. In addition to this, the faculty is also home to a diverse collection of science clubs and societies, programmes, and support groups to help build your community.

With facilities located across Tāmaki Makaurau, Auckland, the faculty offers students a unique experience. Some highlights include the City Campus Science Centre with state-of-the-art laboratories and equipment; our Health and Rehabilitation Clinic; the Institute of Marine Science and Goat Island Marine Discovery Centre at the beautiful Leigh Marine Reserve; multiple reserves used for research; and the Goldie Estate Vineyard based on Waiheke Island, a short ferry ride from the CBD.

I encourage you to explore the many science scholarships available for first-year undergraduates. You can find eligibility details and how to apply on our website. Beginning your undergraduate degree is an exciting milestone, and we are honoured to be a part of your journey. We are confident you will find everything you need to reach your full potential and pursue a successful career in science. The faculty is proud of its legacy, which is represented by the success of our graduates employed here in Aotearoa, New Zealand and around the world.

Congratulations on your decision to study at Waipapa Taumata Rau, University of Auckland. We want your experience with us to be a transformational time in your life, and I look forward to being a part of your journey.

Hei konā mai – Goodbye for now.

**PROFESSOR MICHAEL KINGSLEY**
**Manukura Pūtaiao | Dean of Science (Interim)**
Te Whare Pūtaiao | Faculty of Science

*Cover attributions:*
*1. Times Higher Education 2025; and QS World Rankings 2025, 65th Worldwide*
*2. QS World University Rankings: Sustainability 2026, 28th Worldwide*
*3. QS World University Rankings by Subject 2025*

Graduate Employment rate of

**92%**

over last 5 years*

**9,000+**

women enrolled in undergraduate Science degrees**

“I’ve been consistently impressed by the quality of teaching staff and support facilities, particularly within the statistics department. Their dedication to fostering a supportive learning environment has been pivotal in my academic journey, making the experience informative and enjoyable.”

**Antariksh Nag**
**Bachelor of Science/ Bachelor of Commerce conjoint (Statistics, Economics and Finance)**

“I was excited to discover Green Chemical Science as an option because it instantly felt like a perfect fit for me. I have always wanted to go into a sustainability-related field, as I feel a moral obligation to the environment. Green chemistry has an environmental component and seems more applicable and currently relevant.”

**Araliya De Zoysa**
**Bachelor of Science (Green Chemical Science)**

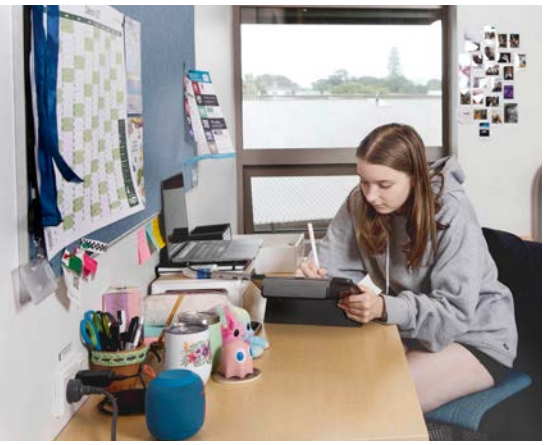
**400+**
**Science undergraduates were awarded scholarships in 2025*****



**auckland.ac.nz/accommodation/graduate-destination-survey*
*** EFTS and Headcounts Summary dashboard (Internal Reporting, data as of 13.11.2025)*
**** Student Awards Report (Internal Reporting, data as of 13.11.2025)*

# Campus life

**Make New Zealand's largest and most diverse city your home away from home while you study. Whether you're an Auckland native embracing independence or relocating from further afield, Tāmaki Makaurau offers a vibrant city lifestyle just a stone's throw from breathtaking natural escapes – from the Waitākere Ranges to the islands of the Hauraki Gulf and beyond. Immerse yourself in the city's dynamic cultural scene, where world-class food, music, art, and events are always within reach.**




## Ngā Wharenoho Accommodation

Waipapa Taumata Rau, University of Auckland offers a wide range of accommodation options across the city within easy walking distance of campus. With space for over 4,000 students in both catered and self-catered communities, we are proud to be Aotearoa's largest provider of student accommodation. Our residences provide a safe, comfortable and supportive environment for students, giving them the opportunity to live in the heart of the University, foster connection and build a strong sense of belonging throughout their studies.

**auckland.ac.nz/accommodation**

## Hiwa Recreation Centre

Make the most of our facilities and stay active and well during your studies. The Hiwa Recreation Centre is a state-of-the-art facility designed to support your fitness and wellbeing. Located on City Campus, Hiwa features a full-size pool, spa, sauna, and dive well, alongside extensive cardio and weights rooms. You'll also find purpose-built studios for group fitness, cycling, combat sports, dance, and mind-body classes, plus a functional training zone and a bouldering wall for climbing enthusiasts.

Beyond workouts, Hiwa offers two multi-purpose sports halls, squash courts, a rooftop turf and running track with stunning city views, and quiet zones for rest or study. Whether you're training hard, winding down, or connecting with others, Hiwa is your all-in-one destination for recreation and balance.

Affordable student memberships will give you access to all our facilities, as well as enabling you to join group fitness classes and use all the gym facilities and sports courts during drop-in hours. Great news for accommodation residents, your membership is included in your fees.

**auckland.ac.nz/sportandrec**

## Faculty of Science Clubs and Programmes

The Faculty of Science's academic support programmes and student-led clubs are a great way to enrich your experience and meet new people. The Science Scholars Programme provides high-achieving students with mentoring, research opportunities, and access to enrichment activities, forming a close-knit academic community. The Tuākana Science Programme supports Māori and Pacific students with culturally safe spaces, academic guidance, and career development opportunities. First-year students are welcomed through the Science Ambassadors Programme, which offers peer support and guidance to help ease the transition into university life.

Students can also engage with a range of clubs and networks that foster connection and growth. The Science Students' Association (SciSA) hosts social events, academic workshops, and study groups. The Rainbow Science Network promotes inclusivity and respect for diverse identities, while Auckland University Women in Science (AUWS) empowers students within the scientific community through events and outreach. With clubs spanning interests from archaeology to software development, there's something for everyone to explore, connect to, and thrive with.

**auckland.ac.nz/science/clubs-and-societies**

> The clinical placement shifts in the Health and Rehabilitation Clinic have been the most valuable experience for my learning.

"Each day is different. From initial consultations to exercise testing and prescription, each new situation I am presented with provides an opportunity to build upon my skills and apply my clinical knowledge in a practical setting.

"Providing individualised rehabilitative care that positively impacts our patients has been highly rewarding."

**Isabella Fogarty**
Graduate: Bachelor of Science
(Physiology and Exercise Sciences)
Student: Master of Clinical Exercise Physiology

# Pūtaiao Science

## Quick facts – BSc

**Full-time:** 3 years
**Points per degree:** 360
**Taught at:** City and Grafton Campuses
**Application closing date:**
8 December 2026
Late applications will be considered if places are available.

**A Bachelor of Science (BSc) at the University of Auckland equips you with a degree from New Zealand's leading university, ranked 65th in the world by the QS World Rankings*, and the largest Faculty of Science in the country. We offer you the flexibility to design a comprehensive degree with an emphasis on transferable skills, all delivered in an environment that is dedicated to excellence. Enjoy our world-class facilities and learn under teaching staff who are leaders in their field.**

## Planning your BSc

Embarking on your undergraduate journey is a major decision, and we understand that every student's path is unique. We encourage you to take advantage of the breadth of options the BSc offers to design a degree that aligns with your aspirations and interests. Whether you already have a dream career in mind or you're still figuring it all out, we have a degree structure that suits your needs. You can choose a single major, opt for a double major, or even pursue two bachelors degrees simultaneously with a conjoint programme.

If you are looking for a little flexibility and time to explore your options, a single major lets you experience different Science subjects and gives you the freedom to change your major within your first year.

You will complete a student-led capstone course to integrate and apply your learning to a real-world problem in your chosen subject area.

## Take your BSc abroad

A BSc at the University of Auckland can take you further. Broaden your horizons, expand your global network and experience learning in another culture. The University of Auckland's 360 International programme partners with over 130 renowned universities worldwide. We offer University of Auckland students an exciting opportunity to enhance your academic potential, develop essential life skills, and significantly boost your employability through an international exchange experience.

**auckland.ac.nz/360-international**

## Waipapa Taumata Rau (WTR)

WTRSCI 100 is part of the General Education Schedule and offers a unique opportunity to gain foundational knowledge and essential skills to support your learning and future career. It is recommended for students who want to enrich their educational experience and broaden their understanding of science in Aotearoa.

**Note:** You must enrol in WTRSCI 100 if you intend to apply for entry to a clinical programme in 2027 (Bachelor of Medicine and Bachelor of Surgery; MBChB; Bachelor of Medical Imaging (Honours) – BMedImag(Hons); Bachelor of Optometry – BOpt; Bachelor of Pharmacy – BPharm).

**auckland.ac.nz/science/wtrsci**

### Example degree structure

The sample degree structure illustrates a possible pathway for a double major, which is one of the choices available to you.

| | Semester One | | | | Semester Two | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Year One | FIRST MAJOR STAGE ONE | FIRST MAJOR STAGE ONE | SECOND MAJOR STAGE ONE | SECOND MAJOR STAGE ONE | SECOND MAJOR STAGE ONE | GEN ED WTR 100 | ELECTIVE | ELECTIVE | ACADEMIC INTEGRITY |
| Year Two | FIRST MAJOR STAGE TWO | FIRST MAJOR STAGE TWO | SECOND MAJOR STAGE TWO | ELECTIVE | SECOND MAJOR STAGE TWO | SECOND MAJOR STAGE TWO | FIRST MAJOR STAGE TWO | GEN ED | |
| Year Three | FIRST MAJOR STAGE THREE | FIRST MAJOR STAGE THREE | SECOND MAJOR STAGE THREE | SECOND MAJOR STAGE THREE | FIRST MAJOR STAGE THREE | SECOND MAJOR STAGE THREE | CAPSTONE COURSE | ELECTIVE | |

Major Elective Gen Ed Capstone Course Academic Integrity

*QS World University Rankings 2026

*This is an example; individual degree plans vary by chosen majors or specialisations.*

## Glossary

Here are some key university terms you need to know.:

**Capstone course:** a final-year, student-led project providing you with an opportunity to integrate your previous learning and apply it to a real-world problem in your subject area

**Conjoint:** a programme that allows the completion of two undergraduate degrees in a shorter timeframe and with fewer points than would be possible through enrolling in them separately

**Core course:** a course that is integral to your programme, and is therefore compulsory

**Major:** a subject area that makes up about a third of the courses in your BSc (Many majors can be taken as part of a double major, and all are available as part of a conjoint degree.)

**Specialisation:** a subject area that makes up more than half of the courses in your degree

| Science subject | Available as a major in the BSc | Available as a specialisation in the BSc | Available in a conjoint |
|---|---|---|---|
| **Biological, Health and Life Sciences (page 10)** | | | |
| Applied Exercise and Sport Sciences | | ✓ | |
| Biological Sciences | ✓ | | ✓ |
| Biomedical Science | | ✓ | |
| Exercise Sciences | ✓ | | ✓ |
| Food Science and Nutrition | | ✓ | |
| Marine Science | ✓ | | ✓ |
| Pharmacology | ✓ | | ✓ |
| Physiology | ✓ | | ✓ |
| **Chemical and Physical Sciences (page 14)** | | | |
| Chemistry | ✓ | | ✓ |
| Food Science and Nutrition | | ✓ | |
| Green Chemical Science | | ✓ | |
| Medicinal Chemistry | | ✓ | |
| Physics | ✓ | | ✓ |
| **Geography, Earth and Environmental Sciences (page 16)** | | | |
| Earth Sciences | ✓ | | ✓ |
| Environmental Science | ✓ | | ✓ |
| Geographic Information Science | ✓ | | ✓ |
| Geography | ✓ | | ✓ |
| Marine Science | ✓ | | ✓ |
| **Human, Social and Behavioural Sciences (page 18)** | | | |
| Anthropological Science | ✓ | | ✓ |
| Exercise Sciences | ✓ | | ✓ |
| Geography | ✓ | | ✓ |
| Psychology | ✓ | | ✓ |
| **Mathematical and Computational Sciences (page 20)** | | | |
| Computer Science | ✓ | | ✓ |
| Data Science | | ✓ | |
| Geographic Information Science | ✓ | | ✓ |
| Information and Technology Management | ✓ | | ✓ |
| Logic and Computation | ✓ | | ✓ |
| Mathematics | ✓ | | ✓ |
| Statistics | ✓ | | ✓ |

“

As a lover of science and the arts, I have enjoyed being immersed in the colourful world of Chemistry and Psychology.

“I found that these disciplines enrich each other – an experience that inspired me to pursue postgraduate studies, culminating in a BSc (Hons) and a subsequent MSc in Chemistry, with aspirations for a PhD.

“Studying Chemistry within a creative and supportive learning environment has been central to developing my academic independence, curiosity, and confidence to explore new ideas. This atmosphere has nurtured my love for inquiry and enabled me to pursue a research topic that perfectly merges my passions for Chemistry and Psychology. This creates a unique and rewarding synergy that drives my work forward, aiding the scientific world, both within and beyond academia.”

**Eugene In**
Graduate: Bachelor of Science (Honours)
Student: Master of Science (Chemistry)

# Science subjects

**For all information and conditions, please refer to the Curriculum Catalogue or The University of Auckland Calendar.**

## Biological Sciences

Ever wondered how life began, how ecosystems thrive, or how we can fight disease and protect our planet? Biological Sciences is your gateway to exploring the mysteries of life. From the tiniest molecules to vast forest ecosystems and everything in between, we are all about asking big questions and finding exciting answers.

At our School of Biological Sciences, you'll dive into cutting-edge research and hands-on learning that connects biology with chemistry, maths, and even computer science to solve real-world problems. If you're curious about genetics and passionate about climate and conservation, there's a place for you here.

Core disciplinary areas and focuses:

- **Cell and Molecular Biology:** Uncover the microscopic engines of life and their role in health and biotechnology.
- **Ecology:** Study biodiversity and conservation in action, from forests to urban environments.
- **Evolution:** Trace the journey of life from ancient origins to modern species.
- **Genetics:** Decode the blueprint of life, understand the genetic roots of disease and design synthetic life.
- **Marine Biology:** Dive into ocean ecosystems and learn how to protect them.
- **Microbiology:** Discover the power of microbes in health, industry, and the environment.
- **Plant Biology:** Explore plant genetic engineering and the future of food through plant science.
- **Zoology:** Investigate animal anatomy, behaviour, and the wonders of wildlife.

If you're into science fiction, wildlife, or solving global challenges, biology gives you the tools to explore life – and make a difference.

**Complementary Majors:**
*Marine Science, Psychology, Medicinal Chemistry, Chemistry, Pharmacology, Physiology, Food Science and Nutrition*
**auckland.ac.nz/science/biological-sciences**

## Biomedical Science

This specialisation is for those passionate about understanding humans and disease.

What to expect:

- **Year 1:** Core foundational courses.
- **Years 2 and 3:** Flexibility to explore or specialise, with options for additional science papers.

Specialisation themes include:

- **Anatomical Imaging Science:** Anatomy supporting medical imaging and surgery
- **Cancer Biology and Therapeutics:** Molecular understanding of cancer and treatment strategies
- **Cardiovascular Biology:** Heart and blood vessel function and disease causes
- **Cellular and Molecular Biomedicine:** Cells and molecules in disease and treatment
- **Genetics:** Gene influence on health and disease
- **Infection and Immunity:** How the body fights disease and how vaccines work
- **Neuroscience:** Brain structure, function, and neurological disorders
- **Nutrition and Metabolism:** How diet and genes affect health

- **Reproduction and Development:** Human reproduction and fertility technologies

**Final Year:** Tackle real-world biomedical issues, sharpen scientific reasoning, and develop confident science communication skills.

**Please note**: *The BSc in Biomedicine programme structure and entry requirements for 2027 are changing. Please monitor the online programme page for the most up-to-date details.*

**auckland.ac.nz/science/biomedical-science**

## Exercise Sciences

Are you fascinated by how the body moves, performs, and adapts to activity? Studying with the Te Kura Whakatāiri Oranga Tinana, the School of Exercise, Sport and Rehabilitation Sciences will allow you to discover the science behind human movement from elite sport to everyday activities. You'll examine the intersection of physiology, psychology, biomechanics, and neuroscience to understand their impact on our health and what drives human performance.

You won't just learn in lectures. Most of our courses revolve around practical experiences in our state-of-the-art teaching facilities, as well as Hiwa, the University Sport and Recreation Centre. During these lab activities, you will work with your peers in small groups to collect and analyse real data on how the body moves and performs in a range of activities and conditions. This multidisciplinary, hands-on, people-focused subject sets you up for a future working with people and communities to improve their health, wellbeing and performance. We have two undergraduate programmes:

- A major in Exercise Sciences lets you pick three out of the four core subjects in the Exercise Sciences, biomechanics, exercise physiology, exercise psychology, and movement neuroscience, and carry these through to advanced study. Exercise Sciences alongside other subjects in Science or even other degrees.
- For people ready to focus full-time, wanting to prepare for a career in the Exercise Sciences, we offer the Specialisation in Applied Exercise and Sport Sciences. This programme aligns with international professional accreditation standards. It includes second- and third-year practicum courses where students get the opportunity to work with real clients. They assess fitness and prescribe exercise programmes. These placements run at Hiwa, external partner organisations, or our specialist Health and Rehabilitation Clinic in Newmarket.

**Complementary Majors:**
*Psychology, Physiology, Food Science and Nutrition and Statistics*

**auckland.ac.nz/science/exercise-sciences**

## Food Science and Nutrition

*See Chemical and Physical Sciences, page 14–15.*

## Marine Science

*See Geography, Earth and Environmental Sciences, pages 16–17.*

## Pharmacology

Pharmacology examines how biologically active chemicals can be used to treat, prevent, or cure diseases. You'll study how drugs interact with the body at the molecular level and learn to design treatments based on understanding cellular and chemical imbalances.

Courses cover drug-target interactions, biochemical pathways for effective dosing, treatment strategies across organ systems, and safe drug use across populations. The capstone course, PHARMCOL 399, involves individual and group projects on drug development within the context of ethical and legal frameworks.

**Complementary Majors:** *Physiology, Biological Sciences, Psychology, Chemistry, Medicinal Chemistry, Statistics, Food Science and Nutrition*
**auckland.ac.nz/science/pharmacology**

## Physiology

Physiology examines how living organisms function, from individual cells to entire systems, providing a foundation for understanding and treating diseases. It integrates biology with biochemistry, molecular biology, pharmacology, neuroscience, and bioengineering.

You'll study topics like endocrinology, cardiovascular and respiratory systems, vision, hearing, and fetal development. Courses in Biological Sciences, Chemistry, Medical Science, Physics, and Statistics build quantitative and critical thinking skills.

The capstone course, PHYSIOL 399, involves designing a research project and exploring the role of science in society, ethics, communication, and the advancement of Māori and Pacific health. Graduates pursue careers in research, clinical medicine, and industry.

**Complementary Majors:** *Pharmacology, Psychology, Medicinal Chemistry, Chemistry, Biological Sciences, Exercise Sciences, Food Science and Nutrition*
**auckland.ac.nz/science/physiology**


adidas

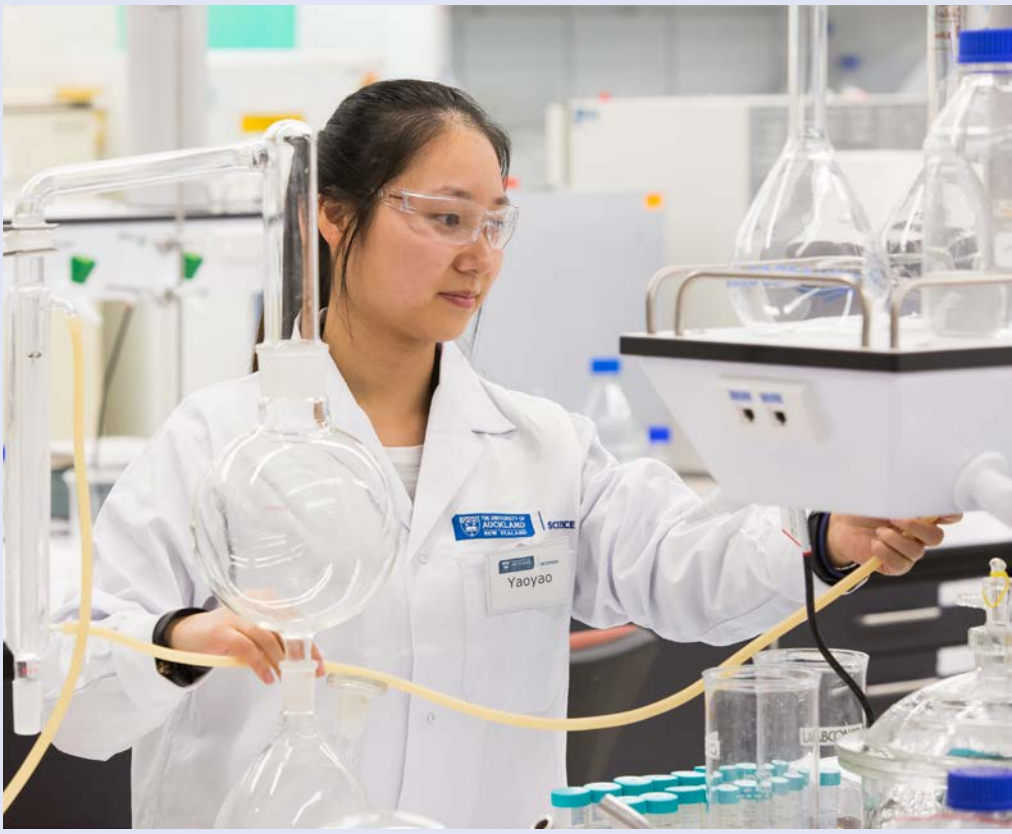
## Chemistry

Chemistry is the science of atoms and molecules, focusing on molecular structure, synthesis, reactions, and theoretical models. As a central science, it supports fields like biology, medicine, environmental science, and engineering.

Hands-on lab work develops skills in logical thinking, complex analysis, communication, and numeracy. The capstone course, CHEM 399, allows you to apply these skills in individual and group projects, presenting your findings in written and oral formats.

**Complementary Majors:** *Biological Sciences, Psychology, Medicinal Chemistry, Pharmacology, Physics, Physiology, Food Science and Nutrition*

**auckland.ac.nz/science/chemistry**




## Food Science and Nutrition

This specialisation offers two pathways:

- **Food Science:** Covers food manufacturing, processing, safety, product development, nutrigenomics, and emerging technologies.
- **Nutrition:** Focuses on human nutrition, public health, and the environmental, social, economic, and cultural influences on eating behaviour.

The capstone course, FOODSCI 399, is a collaborative project to develop a new food product or system in response to a nutritional issue.

**auckland.ac.nz/science/food-and-nutrition**

## Green Chemical Science

Green Chemical Science utilises chemistry to address global sustainability challenges in an environmentally responsible manner. It combines catalysis, synthesis, toxicology, analytical methods, materials science, and biochemistry.

You'll study pollution elimination, clean water production, renewable materials, climate change mitigation, and renewable energy technologies through a practical, interdisciplinary approach. The capstone course, CHEM 397, involves individual and group projects to showcase your learning. This specialisation prepares you for careers in sustainability-focused science roles.

**auckland.ac.nz/science/green-chem**

## Medicinal Chemistry

Medicinal Chemistry focuses on the design, biochemical effects, and ethical aspects of drugs used to treat disease. It combines chemistry and biology with pharmaceutical applications.

You'll study organic compound synthesis, reactivity, and analysis, while gaining insight into pharmacological, regulatory, and ethical considerations. The capstone course, CHEM 398, enables you to apply your knowledge of drug discovery and development through individual and group projects.

**auckland.ac.nz/science/medicinal-chemistry**

## Physics

Ever wondered what holds the universe together, how stars shine, or how new technologies emerge to shape the future? Physics at the University of Auckland immerses students in cutting-edge fields such as quantum mechanics, laser physics and medical imaging, astronomy, and environmental physics. Students develop powerful mathematical and analytical problem-solving skills, exploring how matter and energy interact, and mastering experimental and computational techniques.

Physics graduates are expert problem-solvers, equipped to tackle complex challenges across a wide range of industries. These range from research and development of new technologies, to data analytics and finance, software development, materials design, and climate modelling. Many graduates also progress further into academia, pushing the boundaries of knowledge in pursuit of the unknown.

Having gained the tools to probe the natural world, think critically, and create innovative solutions, Physics graduates are ready for a dynamic career where curiosity, precision, and ingenuity open limitless opportunities.

**Complementary Majors:** *Mathematics, Chemistry, Computer Science, Data Science, and Earth Sciences*
**auckland.ac.nz/science/physics**

> The fundamental laws that govern our universe have interested me since I was young.

"I enjoy seeing how we can take a small number of essential principles and use them to understand a multitude of diverse phenomena."

**Caleb Todd**
Graduate: Bachelor of Science (Physics and Mathematics) and Bachelor of Science (Hons) (Physics)

## Earth Sciences

Earth Sciences explores the processes shaping our planet – from its deep interior to the surface and beyond. It examines the interactions between Earth's systems and the impact of natural processes on society, and vice versa.

In the capstone course, EARTHSCI 399, you'll apply your skills and knowledge through research or practical work in Earth Sciences.

**Complementary Majors:**
*Anthropological Science, Biological Sciences, Chemistry, Environmental Science, Geography, Geographical Information Science , Physics, and Statistics*
**auckland.ac.nz/science/earth-sciences**

## Environmental Science

Environmental Science integrates biology, chemistry, geography, earth sciences, physics, engineering, and social sciences to understand and protect the environment. It focuses on human impact, conservation, and reversing environmental degradation.

You'll study conservation project management, sustainable development policy, environmental modelling, and human-environment interactions. You'll complete an independent research project in the capstone course, ENVSCI 399.

**Complementary Subjects:**
*Biological Sciences, Chemistry, Earth Sciences, Geography, Geographical Information Science, Mathematics, Physics, and Statistics*
**auckland.ac.nz/science/environmental-science**

## Geographic Information Science (GIScience)

GIScience studies data structures and techniques to capture, process, and visualise geographic information. It helps analyse social and natural processes using spatial data from satellites, drones, and social media.

Using spatial analysis and modelling, you'll explore questions like urban inequality or the impact of sea level rise. In the capstone course, GISCI 399, you'll complete an independent research project.

**Complementary Majors:**
*Computer Science, Data Science, Earth Science, Environmental Science, Geography, Marine Science, and Statistics*
**auckland.ac.nz/science/geographic-information**

## Geography

Geography explores the relationship between society and the environment by studying natural processes and human activities. Focuses include coastal systems, climatology, biogeography, and environmental change, as well as urban issues and population dynamics.

You'll learn weather monitoring, demographic analysis, landscape interpretation, mapping, and soil analysis. Fieldwork is a key component. In the capstone course, GEOG 399, you'll conduct an independent, field-based research project.

**Complementary Majors:**
*Biological Sciences, Chemistry, Computer Science, Earth Sciences, Environmental Science, Geographical Information Science, Psychology, Anthropology, Global Studies, Politics and International Relations and Statistics*
**auckland.ac.nz/science/geography**

## Marine Science

Marine Science focuses on understanding and sustainably managing New Zealand's vast ocean territory. It's multidisciplinary, combining skills from Biological Sciences, Earth Sciences, Environmental Science, Geography, and Statistics.

You'll study ocean systems and collaborate across disciplines. The final-year capstone course, MARINE 399, is a student-led research project.

**Complementary Majors:**
*Biological Sciences, Chemistry, Earth Sciences, Environmental Science, Geographic Information Science, Geography, Mathematics, Physics, Statistics*
**auckland.ac.nz/science/marine-science**


"My research, conducted in collaboration with Pare Hauraki, surveyed the Motu Takapu/Channel Island marine protected area.

"Following its success, the Department of Conservation extended my surveys across Tīkapa Moana. I used the award to establish an ongoing project upholding Pare Hauraki's commitment to protecting the mauri o te moana within their rohe. I also work part-time as a Marine Educator and have held roles as a Fisheries Researcher (NIWA) and marine advisor."

**Gemma Cunnington**
Graduate: Bachelor of Science (Marine Science)
Graduate: Masters in Marine Conservation

## Anthropological Science

Anthropological Science bridges natural sciences, human sciences, and the humanities to explore cultural and biological diversity. You'll develop scientific and technological skills for research in bio-anthropology and archaeology.

In the capstone course, ANTHRO 399, you'll connect academic learning with the professional world through a research project designed to incorporate both independent and collaborative work, as well as the potential for public engagement.

**Complementary Majors:**
*Anthropological Science, Biological Sciences, Chemistry, Computer Science, Exercise Sciences, Pharmacology, Physics, Physiology, and Statistics*
**auckland.ac.nz/science/anthro-sci**

## Exercise Sciences

See Biological, Health and Life Sciences, pages 10–12.

## Geography

See Geography, Earth and Environmental Sciences, pages 16–17.

## Psychology

Psychology is the scientific study of how people think, feel, learn, and behave. It explores motivation, wellbeing, development, and human interaction

You'll engage with various theoretical and practical approaches, from quantitative research to personalised, qualitative methods. Laboratory and fieldwork are key components. In the capstone course, PSYCH 399 Communicating Psychology, you'll present psychological ideas and research through various media, such as grant proposals or podcasts.

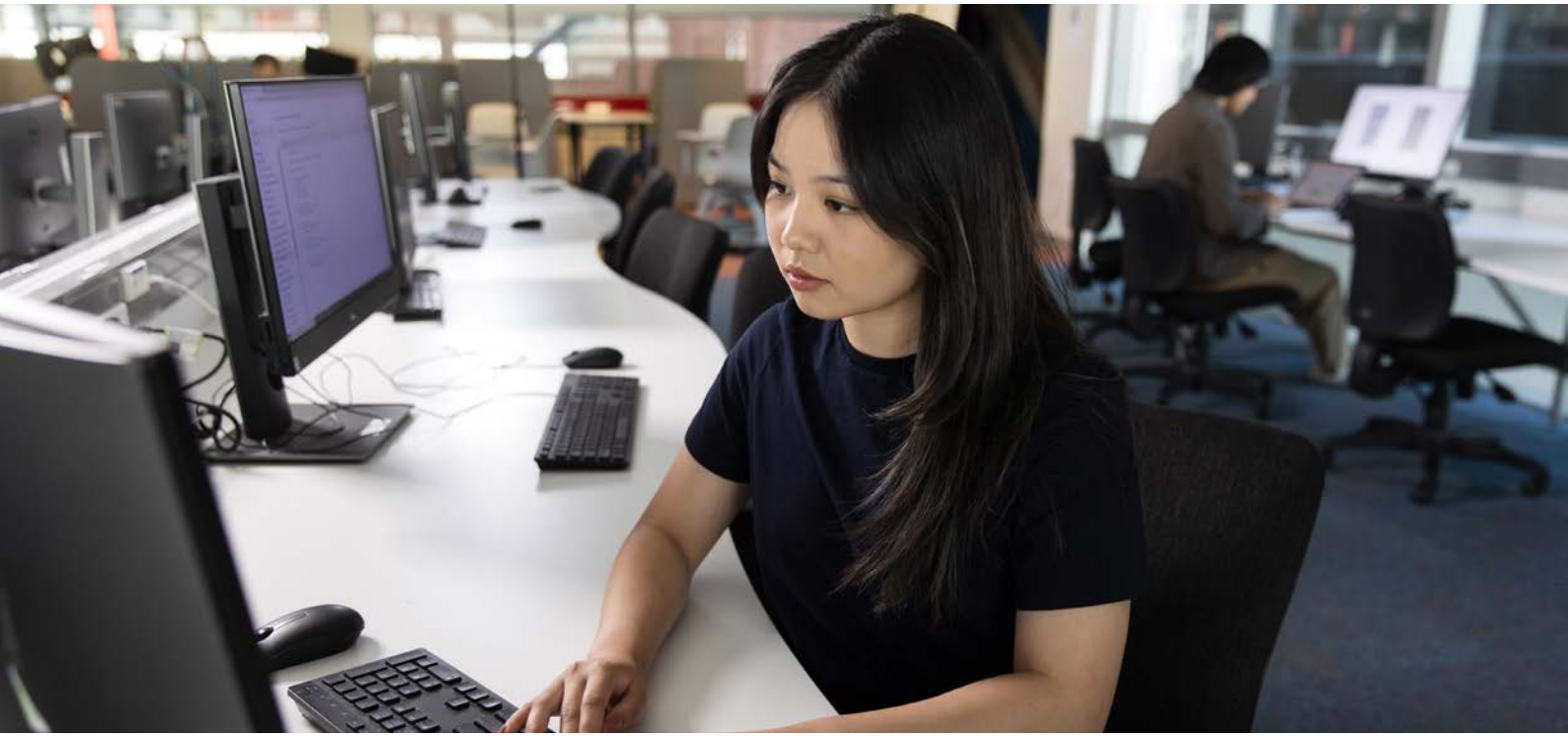
**Complementary Majors:**
*Anthropological Science, Biological Sciences, Chemistry, Computer Science, Exercise Sciences, Pharmacology, Physics, Physiology, and Statistics*
**auckland.ac.nz/science/psychology**

I think ecology is a great area to get into. I recommend it to anyone interested in biology or statistics who wants to learn more about our natural environments and find ways to help them.

"My biggest advice, especially to those considering a PhD, is to work with others in our research group and maintain connections. This collaboration can help you make lifelong friendships and learn new skills beyond your project.

I am currently working at Tahi New Zealand as an ecologist, a privately owned reserve in Whangārei that focuses on replanting, education, and science. In this role, I am researching effective ways to restore native forests and the effects of restoration on the surrounding environment. I am also working with school and university groups to facilitate on-site research. It is a great way to expand our knowledge base in restoration, while also gaining valuable skills."

**Toby Elliott**
Graduate: Bachelor of Science (Ecology)
Postgraduate Diploma in Science (Biosecurity and Conservation) and Master of Science (Biological Sciences)
Student: PhD in Biological Sciences (Ecology)



## Computer Science

Computer Science underpins innovation across every industry. Advances in industry, including education, medicine, commerce, and entertainment, are enabled by Computer Science specialists. As technology advances, so does the demand for specialised professionals.

You can study artificial intelligence, cybersecurity, data science, networks, software engineering, algorithms, computer vision, and graphics. This major builds logical thinking, problem-solving, and abstract reasoning skills. All Computer Science graduates will complete a real-world project in their final year.

**Complementary Majors:** *Information and Technology Management, Logic and Computation, Physics, Mathematics, Statistics*

**auckland.ac.nz/science/computer-science**

## Data Science

Data Science is a fast-growing field focused on managing and analysing large datasets to extract meaningful insights.

This specialisation combines computer science, statistics, and mathematics. You'll learn to manage databases, integrate data, perform statistical and predictive modelling, and develop critical thinking and communication skills. In the capstone course, DATASCI 399 Creating Value from Data, you'll apply your skills in a real-world group project.

**auckland.ac.nz/science/data-science**

## Geographic Information Science

See Geography, Earth and Environmental Sciences, pages 16–17.

## Information and Technology Management

This business-focused major combines computing skills with modern business practices. You'll study how technology and information systems are applied in commercial settings, with a focus on systems analysis, data handling, and process design.

The capstone course involves a small team project to analyse a business problem, design a solution, develop a system, and present the work.

**Complementary Majors:** *Computer Science, Mathematics, and Statistics*

**auckland.ac.nz/science/info-tech**

## Logic and Computation

This major combines computer science, linguistics, and philosophy, focusing on the development of computer languages and their applications in AI, speech recognition, and software development.

You'll gain practical programming and logical analysis skills while exploring the philosophical and linguistic foundations of computation. In the capstone course, LOGICOMP 399, you'll complete a research project on the role of logic and computation in modern society.

**Complementary Majors:** *Computer Science, Information and Technology Management, Mathematics, Physics, and Psychology*

**auckland.ac.nz/science/logic-comp**

## Mathematics

Mathematics is a central science that supports problem-solving across disciplines – from biology and physics to economics, engineering, and finance. It combines theory with analytical, computational, and modelling tools.

The capstone course, MATHS 399, is a collaborative project that examines the role of mathematicians in society, while developing skills in communication, critical thinking, and creative problem-solving.

**Complementary Majors:** *Computer Science, Data Science, Physics, and Statistics*

**auckland.ac.nz/science/mathematics**

## Statistics

Statistics is essential for making sense of vast amounts of data. It focuses on asking the right questions, designing effective data collection and analysis methods, and presenting insights clearly and concisely.

You'll learn to interpret numerical information and solve real-world problems. In the capstone course, STATS 399 Statistics in Action, you'll collaborate with peers to apply your statistical knowledge to a practical challenge.

Statistics complements all other BSc majors.

**auckland.ac.nz/science/statistics**

# Entry requirements

I studied Mathematics to help get into Engineering, and also to follow in my parents' footsteps, as they were both always good with maths and engineering.

"I studied a Bachelor of Science, double majoring in Mathematics and Statistics. One thing I loved about my time studying Mathematics and Statistics is the Tuākana programme."

**Halaevalu Tu'ipulotu**
Graduate: Bachelor of Science (Mathematics and Statistics)

**To gain entry to a programme at the University of Auckland, you must meet admission, programme and undergraduate English language requirements. This table shows the rank score, subjects and other entry requirements that will guarantee you admission to your programme. If you achieve the University Entrance (UE) standard but do not achieve a rank score that will guarantee selection into the programme you wish to pursue, your application will be given individual consideration if places are available.**

**Undergraduate programme admission requirements for school leavers who have achieved University Entrance.**

| Programme | NCEA (Level 3) | Cambridge International | IB |
|---|---|---|---|
| Bachelor of Science (BSc) | | | |
| – Biomedical Science | 280 | 310 | 33 |
| – Food Science and Nutrition | 200 | 200 | 28 |
| – All other majors/specialisations | 165 | 170 | 26 |

Find out more about the conjoint options that are available to complement your degree.
**auckland.ac.nz/conjoints-by-faculty**

## Scholarships

Many scholarship opportunities are available to support your academic journey as an undergraduate student at Waipapa Taumata Rau, University of Auckland. Explore the options available for scholarships offered by the University, faculty, school, or department that best fit your situation. Our scholarships could potentially fund your education and help you achieve your academic goals.

Go online for information about the full range of first-year scholarships.
**auckland.ac.nz/schoolleaverscholarships/sci**

## Find out more

about the full range of first-year scholarships.

# Dates to remember

## Mānawa Mai Info Evening and Open Day 2026

**Info Evening: Tuesday 9 June 2026**
**Open Day: Saturday 29 August 2026**

Open Day is all about experiencing our University. So haere mai! Meet our awesome staff and students, get hands-on with our interactive activities and experience lectures. Open Day is a lot like student life itself. It's also a chance to take a look at all your study options.

Join us online at Info Evening to learn more about the huge range of programmes we have on offer. You'll hear from our teaching staff about what you can expect in your first year and find out everything you need to know about the application process.

Nau mai, haere mai!
**Register at: auckland.ac.nz/manawa-mai**

## Orientation, Wiki Whakataki

Orientation takes place the week before lectures start each semester. Faculty Orientation Day is designed to help you feel more connected with your faculty of study, while allowing you to meet staff and students who you will come across during your time at the University. You will be buddied up with your UniGuide who will be there to answer any questions you may have about university life.

Go online for more information.
**auckland.ac.nz/orientation**

Find out more about International Orientation Week.
**auckland.ac.nz/internationalorientation**

For more information call **0800 61 62 63 or email studentinfo@auckland.ac.nz**

| **Academic year 2027*** | |
|---|---|
| Kura Raumati \| **Summer School and Summer Start – 2027** | |
| Lectures begin | Wednesday 6 January |
| Summer Programmes ends | Wednesday 17 February |
| Wehenga Tahi \| **Semester One 2027** | |
| Orientation Week | Monday 22 – Friday 26 February |
| Semester One begins | Monday 1 March |
| Semester One ends | Monday 28 June |
| Wehenga Rua \| **Semester Two 2027** | |
| Orientation Week | Monday 12 – Friday 16 July |
| Semester Two begins | Monday 19 July |
| Semester Two ends | Monday 15 November |

** Start/finish dates vary for some programmes.*

## 2027 application closing dates

**1 December 2026**
This is the deadline for new students to submit their Application for Admission if their 2027 programme includes Summer School courses.

**8 December 2026**
This is the deadline for new students to submit their Application for Admission if their 2027 programme includes Semester One and Semester Two courses only.

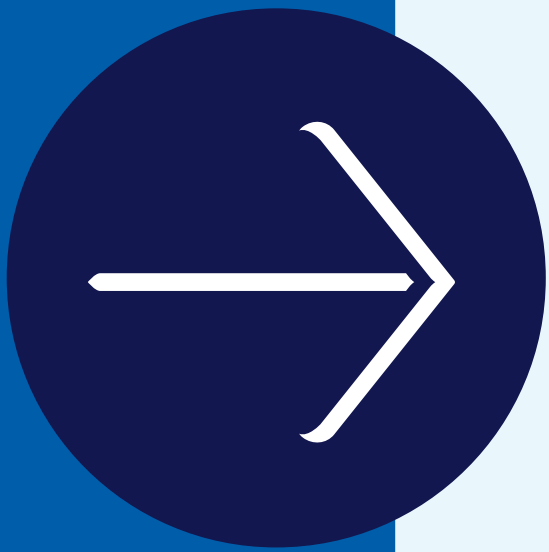
**Find out more about our Summer Start Programme:**
A six-week course for school leavers to ensure a confident transition to university before Semester One.

**auckland.ac.nz/summerstart**

Applications received after these dates will be considered if places are available.

# The application and enrolment process

1. Apply (online)
2. Submit any requested information and attend interview/audition if required
3. Receive an offer of a place in the programme
4. Accept an offer of a place in the programme
5. Enrol in courses
6. Pay fees



# How to apply

### First choose your programme.
### Now apply and enrol.

Find out more about our subjects and courses online.
**auckland.ac.nz/programmes**

You can also visit the Student Hubs website.
**auckland.ac.nz/student-hubs**

Check out Mānawa Mai Open Day.
**auckland.ac.nz/manawa-mai**

## First, you need to apply

Complete the Application for Admission online. If you haven't already, you'll be asked to sign up for a new account. It's easy, and soon your application will be under way.
**auckland.ac.nz/apply**

Next, you'll receive an acknowledgement email asking you to provide supporting documents (and in some cases to complete other requirements*) before your application can be assessed.

Remember, you can apply for more than one programme. You can check your application status online at any time.

Your final offer of a place depends on two things: your admission to the University (for school leavers, this may depend on your final school results) and your assessment by the admissions team.

If your application is successful, we'll email you an offer – normally from mid-January.**

To accept or decline this offer, go online.
**auckland.ac.nz/apply**

Some late applications may be accepted after 2026 school results are available. It is advisable, however, to apply for all programmes that you might wish to pursue before the closing date. Multiple applications are acceptable, and all applications received by the closing date will be considered when 2026 academic results are available.

## Next, you need to enrol

If you need some help with the enrolment process, take an online tutorial.
**auckland.ac.nz/enrolment**

We recommend that you enrol in your courses as soon as you've accepted your offer of a place. Remember to build your timetable by selecting courses and placing these into your enrolment cart. Validate these to ensure you have no timetable clashes. If there is a timetable clash, select another time, or you may need to select another course. If everything is ok, enrol in your courses.

Stuck? At any point in the process, you can find answers to your questions online:
**askauckland.ac.nz**

Phone during business hours or email us:
**0800 61 62 63**
**studentinfo@auckland.ac.nz**

**For some programmes, you may be required to submit supplementary information (eg, a portfolio of work, referee reports, an online form) or to attend an interview/audition.*
***If you are not offered a place in the programme(s) of your choice, you will receive an email outlining alternative options.*

## Useful web addresses

**The University of Auckland homepage**
auckland.ac.nz

**The University of Auckland Calendar**
auckland.ac.nz/calendar

**To download a faculty prospectus**
auckland.ac.nz/prospectus

**AskAuckland**
auckland.ac.nz/askus

**Academic dates**
auckland.ac.nz/dates

**Information for prospective students**
auckland.ac.nz/undergraduate

**Information for parents of students**
auckland.ac.nz/parents

**Information for international students**
auckland.ac.nz/international

**Entry requirements**
auckland.ac.nz/admission

**Tuition fees**
auckland.ac.nz/fees

**Scholarships and awards**
auckland.ac.nz/scholarships

**Student loans and allowances**
auckland.ac.nz/student-loans-and-allowances

**Support services**
auckland.ac.nz/studentsupport

**Undergraduate study options**
auckland.ac.nz/study-options

**Conjoint degrees**
auckland.ac.nz/conjoints

**How to apply**
auckland.ac.nz/apply

## Connect with us now

**Check out our full list of social networking sites and channels.**
auckland.ac.nz/connect

@science.uoa

@scienceuoa

science.auckland.ac.nz/youtube

linkedin.com/school/uoascience

**Sign up and be first to hear about scholarship opportunities, events, new programmes, and everything else you need to know about studying with us.**
auckland.ac.nz/registration

*Disclaimer: Although every reasonable effort is made to ensure accuracy, the information in this document is provided only as a general guide for students and is subject to alteration. All students enrolling at the University of Auckland must consult its official document, the current Calendar of the University of Auckland, to ensure that they are aware of and comply with all regulations, requirements and policies.*
*Publication date: January 2026*

For personal assistance, please visit us at your local Student Hub, where students and whānau are welcome to talk with our expert advisers.

Enquiries: **auckland.ac.nz/askus**
Or phone: **0800 61 62 63**
International: **+64 9 373 7513**

## City Campus
General Library, Building 109
5 Alfred Street, Auckland

## Grafton Campus
Philson Library, Building 503
Level 1, 85 Park Rd, Grafton
(Entry via the Atrium)

## South Auckland Campus
**Te Papa Ako o Tai Tonga**
6 Osterley Way, Manukau

## Whangārei Campus
**Te Papa Ako o Tai Tokerau**
L Block
13 Alexander Street, Whangārei

**auckland.ac.nz**