

AUT

TE WĀNANGA ARONUI
O TĀMAKI MAKAU RAU

ENGINEERING, COMPUTER & MATHEMATICAL SCIENCES

UNDERGRADUATE
PROGRAMME GUIDE 2025



TOP 50
WORLDWIDE
Young University

**AUCKLAND
UNIVERSITY
OF TECHNOLOGY**

Nau mai, haere mai ki AUT WELCOME TO AUT

E ngā mana, e ngā reo
E te iti, e te rahi
E ngā mātāwaka o ngā tōpito o te ao
Ngā mahuetanga iho e kawē nei i ngā
moemoeā o rātou mā
Tēnā koutou katoa

Piki mai rā, kake mai rā,
Nau mai, haere mai ki tēnei o ngā wānanga
Whakatau mai i raro i te korowai āhuru o Te Wānanga
Aronui o Tāmaki Makau Rau

Te whakatupu i te kōunga, i te mana taurite me ngā
tikanga matatika, i ngā pūkenga ako,
i ngā pūkenga whakaako me te āta rangahau hei hāpai
i ngā hāpori whānui o te motu, otirā, o te ao.

To the prestigious, the many voices
The few, the great
To those of all races and creeds
We who remain to fulfil the dreams and
aspirations of the ancestors
Greetings one and all

Climb, ascend
Embark on the journey of knowledge
Let us at AUT embrace and empower you
To strive for and achieve excellence

To foster excellence, equity and ethics in
learning, teaching, research and scholarship,
and in so doing serve our regional, national
and international communities.

Cover

The cover design represents a tukutuku (ornamental lattice work) panel with the Poutama pattern woven onto it. This pattern symbolises levels of attainment, advancement, and personal growth, striving for betterment. The Poutama reflects what AUT does for its students: educate, guide and support them on their journey into a future they define, and we prepare them for. The perspective of the design enhances the concept of the journey. The overlaid design elements on top of the cover pattern show commitment to Te Tiriti o Waitangi and Te Ao Māori being at the foundation of everything; an underlying base to support and enhance all aspects of AUT.

Disclaimer: Although every reasonable effort is made to ensure accuracy, the information in this document is provided as a general guide only for students and is subject to change. All students enrolling at AUT should consult its official document, the AUT Calendar, which is available online at aut.ac.nz/calendar, to ensure that they are aware of, and comply with, all regulations, requirements and policies. The information contained in this programme guide was correct at the time of print, December 2023.

Image 4 on page 3 and the image on page 41 by Jason Mann. Image on page 39 by Simon Devitt Photographer.

Ngā ihirangi CONTENTS

About AUT

- 02 Why study at AUT?
- 04 Student life

Course information

Bachelor of Engineering (Honours)

- 06 Overview
- 09 Architectural Engineering
- 10 Civil Construction Engineering
- 11 Electrical and Electronic Engineering
- 12 Maritime Engineering
- 13 Mechanical Engineering
- 14 Mechatronics Engineering
- 15 Software Engineering

Bachelor of Engineering Technology

- 16 Overview
- 18 Electrical and Electronic Engineering
- 19 Mechanical Engineering

Bachelor of Computer and Information Sciences

- 20 Overview
- 23 Computer Science
- 24 Data Science
- 25 Digital Services
- 26 Networks and Cybersecurity
- 27 Software Development

Bachelor of Science

- 28 Overview
- 31 Analytics
- 32 Mathematical Modelling and Computation

34 Diploma in Computer and Information Sciences

35 Diploma in Engineering

37 Graduate Diploma in Science / Graduate Certificate in Science

38 Graduate Diploma / Graduate Certificate in Computer and Information Sciences

40 Overview of postgraduate qualifications

Applying for your programme

42 University entrance

44 Fees and scholarships

46 How to apply

48 Find out more

Join us at AUT LIVE, the most open day.
Discover future study possibilities,
check out world-class facilities
and chat to our academics.
aut.ac.nz/live

24 AUG
2024

He aha ai e ako ki AUT? WHY STUDY AT AUT?

Scan this QR code for details about courses, where your study could lead and stories about our great graduates and students.



1 Visualisation of a molecular structure 2 You have access to top facilities and equipment 3 Testing the flight control of a drone 4 The Ngā Wai Hono (WZ) building is home to engineering and computing at AUT and is a 'living lab'

New Zealand's leading modern university

AUT is proud to be one of the world's best modern universities. Times Higher Education has ranked us in the top 1% of universities in the world, the top 50 universities under 50 years of age, the top 5% of universities for social impact, and number one in Aotearoa New Zealand for international outlook. Study with us and you'll join New Zealand's most diverse and vibrant university, and develop the skills for rewarding careers in a wide range of industries and professions. Our courses encourage innovation and entrepreneurship, and the ability to explore new technologies, challenge routine thinking and make a difference. You learn from academic staff who are still actively involved in their professional fields, and will develop the skills to succeed, no matter where your future career will take you. AUT is where talent meets opportunity, and we're proud of the success of our students, in Aotearoa and around the world.

Preparing you for the future

With an AUT degree you'll graduate with a qualification that is widely regarded, and with valuable experiences and industry connections for your future career. We're connected to an extraordinary range of organisations, and as part of your studies you could work with one of our many industry partners. Engineering New Zealand recognises our Bachelor of Engineering (Honours) and Bachelor of Engineering Technology, IT Professionals NZ (ITPNZ) recognises our Bachelor of Computer and Information Sciences, and our maritime majors are accredited by Engineers Australia. If you're studying the Bachelor of Science or Bachelor of Computer and Information Sciences, your degree can be as unique as you are - you can include subjects from across AUT and tailor your studies to your interests. And if you want another way into AUT, our diploma programmes are a great way to start your studies and gain the confidence to succeed at university.

Top facilities and equipment

To make sure your learning is relevant to your future career, you have access to top facilities and industry-standard equipment, including a 3D printing lab, a scanning electron microscope, structure testing labs and a seismic shake table. You'll be based in our Ngā Wai Hono (WZ) building at the City Campus, which can be used as a teaching tool and 'living lab' where you can get hands-on experience, collaborate with your classmates and develop skills that help you stand out to employers. We're proud of our five-star ranking for teaching and facilities, awarded by the world university rankings organisation QS. Our state-of-the-art buildings were created using sustainable principles and offer inviting lecture theatres, auditoriums and research spaces; offering you the perfect environment for your studies.

Research that shapes tomorrow

Our research is focused on real-world impact, and we're proud of our reputation as a leading research university. As an AUT student you could learn from globally renowned researchers who are experts in a range of fields - from data science, health technologies and robotics, to networking and security, and power and energy research. We have several internationally renowned research institutes and labs, and our discoveries are widely used in New Zealand and the world. Our research often feeds back into the classroom, and you may even be able to contribute to these research discoveries.

Oranga Taurira

STUDENT LIFE

AUT is a modern and innovative university with endless opportunities, and a supportive culture that celebrates diversity and is committed to improving our local and global communities. Our students are at the heart of everything we do, and we're proactive in enabling them to succeed and be ready for any challenge in front of them.

Our Student Hubs – your place to get the support you need

AUT offers some of the most comprehensive student support services in New Zealand, and our Student Hub is where you can learn more about these services. Our professionally qualified staff include social workers and occupational therapists who can support our diverse student community. Our Student Hubs are available both online and across our campuses, so you can get help and support when and where you need it.

Getting you started on your uni journey

Studying at university is exciting and can be quite an adjustment. That's why AUT helps new students transition to university life by delivering a wide-ranging orientation programme at the start of each semester. We also offer activities throughout the semester to transition you into university life. AUT's app also provides up-to-date news, events, and information about AUT anytime, anywhere.

Helping you achieve your academic goals

We do everything we can to help you achieve your academic goals and set you up for a successful career. You'll have access to all the people, resources and technology you need to make the most of your learning opportunities. Our services include academic skills support through our library and their learning services, peer mentoring for help with assessments, adaptive technology, 24/7 academic support through Studiosity, free technology access and financial assistance, as well as tailored support for our postgraduate research students.

Supporting your wellbeing

Our students' health and wellbeing are our highest priority, and AUT is experienced in delivering support to aid students' overall wellbeing. This includes services like 24/7 security on campus; peer support from over 300 student ambassadors, navigators, peer advisors, RUOK advisors and the TalkCampus app; financial assistance; medical, learning and IT support, as well as physical and mental wellbeing support. We actively encourage students to be aware of their wellness needs – mind, body, and spirit. As an AUT student you have access to free and confidential counselling sessions, peer support and programmes to develop better self-knowledge and resilience.

Enabling opportunities for a vibrant uni experience

We want you to make the most of university life, and have fun and grow during your time with us. That's why we offer a range of spaces and initiatives for students including clubs, events, sporting opportunities and state-of-the-art recreational facilities. Our clubs are student-led and cover social, sustainability, cultural and academic interests. If you can't find something you enjoy, you're always welcome to create something new!

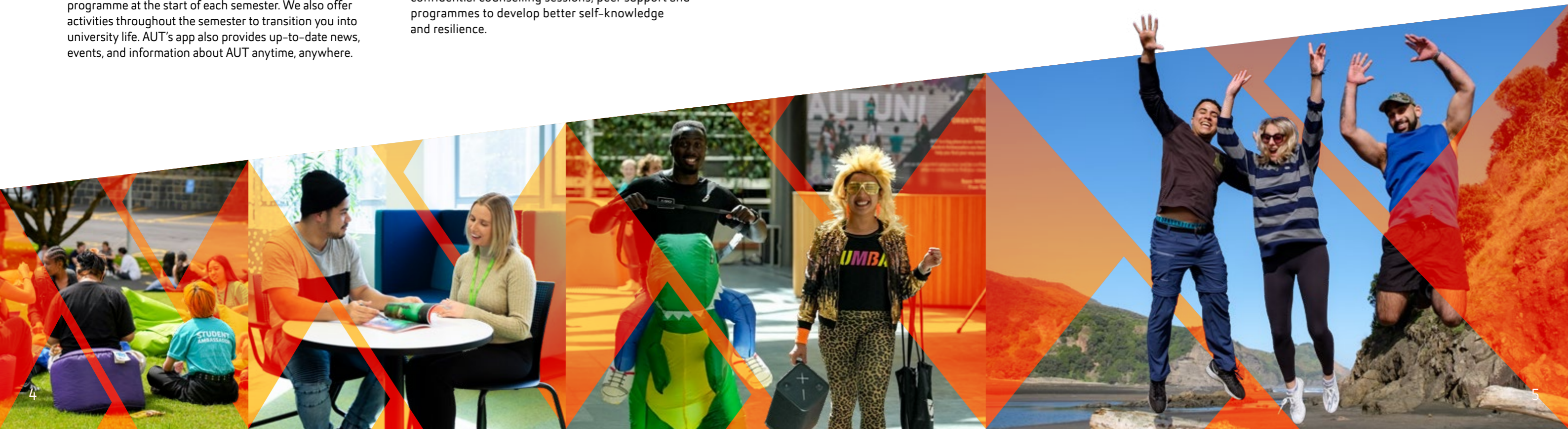
Celebrating our people

We celebrate diversity and our commitment to Te Tiriti o Waitangi with passion, curiosity and pride. We have a strong commitment to Māori advancement, and Pacific wellbeing and success, and have dedicated teams to support all students at AUT. We were the first university in New Zealand to achieve the Rainbow Tick. We're committed to equity of access and opportunity for students, staff and visitors, and support the principles of Kia Ōrite: Code of Practice for an inclusive tertiary environment.

Our dedicated teams include disability services, and rainbow and international student support. Our Student Association (AUTSA) advocates and represents the interests of all AUT students, and shares students' voices through its Debate magazine.

Beyond learning and into employability

Our services, competitions and awards offer you enriching life experiences that will support your career once you graduate. These opportunities can help you gain an edge in the marketplace through workplace experience, international exchanges, industry connections, and CV and interview preparation for when you're ready to start your career. Our Innovation Challenge is also a great incubator for your entrepreneurial ideas and can help you bring your ideas to market.



Bachelor of Engineering (Honours) Overview

BEng(Hons) | AK3751

QUICK FACTS

Level	8
Points	480
Duration	4 years full-time, part-time available
Campus	City ¹
Starts	3 March & 21 July 2025

As an engineer you address the key issues we face today, like access to clean water, sustainable energy systems, waste management, recycling and environmental pressures. The Bachelor of Engineering (Honours) prepares you for a rewarding career in engineering. It's accredited by Engineering New Zealand, meets the Washington Accord and prepares you for Engineering New Zealand membership. You learn to formulate models and analyse, predict and monitor engineering systems – essential skills in professional engineering. Through engineering projects and other practical courses you have plenty of opportunities to apply what you have learnt in class.

Entry requirements

Minimum entry requirements

University Entrance or equivalent including:

- **NCEA:** At least 14 level 3 credits in each of Calculus and Physics
- **CIE:** A level Mathematics and a minimum of AS in Physics OR A level in Physics and a minimum of AS in Mathematics
- **IB:** A grade of 4 or better in Mathematics and Physics

Applicants without UE must demonstrate competency in Calculus and Physics to at least level 3 or equivalent.

Guaranteed entry

Applicants will automatically be offered a place in this programme if they have a rank score of 250 or higher, along with 14 NCEA level 3 credits in each of Calculus and Physics or CIE A levels in Mathematics and Physics. All other applicants who have met the admission requirements will be considered on a case-by-case basis.

Useful New Zealand school subjects

Chemistry, Digital Technologies, English, Maths, Physics

English language requirements

IELTS (Academic) 6.0 overall with all bands 5.5 or higher; or equivalent.

Don't meet the entry requirements?

Consider starting with the Diploma in Engineering – refer to page 35 for more details.

1. Maritime engineering (Marine and Offshore Engineering, Naval Architecture, Ocean Engineering) students study the first two years at AUT, and the last two years at Australian Maritime College (AMC) in Launceston, Tasmania.



"I want to help build better places where people can work, visit and live. I chose to study at AUT because of its kind, friendly, and diverse group of students and staff. As a student, I received so much encouragement and support. I found the classes engaging and could ask for help when I needed it. Plus, there are so many great university clubs to join. I loved doing my final-year industrial project and bringing together everything I had learnt during the degree to deliver a final group research report and presentation. I also appreciated the flexibility of the classes, which enabled me to work as an intern and gain industry experience while studying full-time. I'll always look back and remember my time at AUT fondly."

Sabrina Naseem
Engineer, AECOM
Bachelor of Engineering (Honours) in Construction Engineering



Scan this QR code for details about courses, where your study could lead, and stories about our great graduates and students.

What this qualification covers

Through engineering projects and other practical courses you have plenty of opportunities to apply what you've learnt in class. You also need to complete 800 hours of planned, supervised work experience to graduate, in addition to completing all your courses.

YEAR 1

Your first year introduces you to the different fields of engineering and helps you better imagine what your future career as an engineer could look like. Most of your first-year courses are shared between the majors in this programme and the Bachelor of Engineering Technology, making it easy for you to switch between our engineering degrees and majors.

YEAR 2

You'll start to specialise in your chosen engineering subject and learn to apply mathematical and engineering sciences to engineering concepts.

YEAR 3

You build on the skills you've already developed and further specialise in your chosen engineering subject. Maritime engineering students move to Tasmania this year.

YEAR 4

In your final year you complete a research project, working on a piece of engineering design and analysis for an organisation.

	YEAR 1	YEAR 2	YEAR 3	YEAR 4
SEMESTER 1	Introduction to Sustainable Engineering Design (15 PTS)	Major course (15 PTS)	Major course (15 PTS)	Innovation and Research Management (15 PTS)
	Engineering Mechanics (15 PTS)	Major course (15 PTS)	Major course (15 PTS)	Major course (15 PTS)
	Engineering Mathematics I (15 PTS)	Major course (15 PTS)	Major course (15 PTS)	Major course (15 PTS)
	Electrical Engineering Fundamentals (15 PTS)	Major course (15 PTS)	Major course (15 PTS)	Final Year Research Project (Part A) (15 PTS)
SEMESTER 2	Mahitahi Collaborative Practices (15 PTS)	Major course (15 PTS)	Engineering Mathematics II ² (15 PTS)	Major course (15 PTS)
	Programming Concepts and Techniques (15 PTS)	Major course (15 PTS)	Major course (15 PTS)	Major course (15 PTS)
	Engineering Materials I (15 PTS)	Major course (15 PTS)	Major course (15 PTS)	Major course (15 PTS)
	Engineering Management (15 PTS)	Elective course (15 PTS)	Major course (15 PTS)	Final Year Research Project (Part B) (15 PTS)

Core courses PTS: Points This chart is for guidance only. There could be some variation depending on which major you choose.

2. Software engineering students study Software Engineering Mathematics instead.

Bachelor of Engineering (Honours)

Overview continued

Majors

Your major is the subject area you want to specialise in. Choose one of these majors as part of your degree:

- Architectural Engineering
- Civil Construction Engineering
- Electrical and Electronic Engineering
- Maritime Engineering (Marine and Offshore Engineering, Naval Architecture, Ocean Engineering)
- Mechanical Engineering
- Mechatronics Engineering
- Software Engineering

Maritime majors

This joint venture between AUT and the Australian Maritime College (AMC) at the University of Tasmania (UTAS) enables New Zealand students to study maritime engineering.



"Being able to understand software engineering principles and systematically apply them in different areas are the most interesting parts for me. I chose this degree because I want to become an engineer and be part of various industries and sectors - from education, healthcare and agriculture to finance and government. All sectors need IT solutions to tackle problems effectively. Being able to become one of the creative innovators that solve current problems and promote sustainability is why I chose this degree. The diverse community and supportive culture have also been highlights of studying at AUT. I've met new people from places I hadn't heard of before, which made me curious about different cultures and helped me develop skills for working in an intercultural society."

Daniel Lip
Timor-Leste
3rd-year student, Bachelor of Engineering (Honours) in Software Engineering

Bachelor of Engineering (Honours)

Architectural Engineering



Scan this QR code for course details and graduate stories.

Businesses, tenants and homeowners expect more from the buildings they work and live in. They want buildings that are energy efficient and more sustainable, comfortable to live and work in, offer more services and are fit for purpose, now and in the future. Architectural engineers help make this happen.

What this major covers

YEAR 1

All students do the same courses this year. Courses this year cover mathematics and computational techniques, as well as the communication and teamwork skills that are essential for the team environment engineers work in.

YEAR 2

You become familiar with construction materials, structural engineering, civil construction engineering, and innovation and sustainability in architectural engineering.

YEAR 3

This year focuses on specialist architectural engineering courses, including geotechnical engineering, structural analysis, architectural design and development, and the specifics of building subsystems, including illumination engineering and heating, ventilation and air-conditioning (HVAC) systems, and sustainable design and development.

YEAR 4

In your final year, you complete a research project, where you put into practice your understanding of management techniques, project planning and development, research application and design. You'll work on a project for organisations like Fletcher Building, Hawkins, Naylor Love Ltd, Auckland Council, Beca or Jasmx. You also complete courses that cover advanced analytical thinking and recent advancements in your chosen field.

Workplace experience

You also need to complete a minimum of 800 hours of planned supervised work placement to graduate. Work experience aims to expose you to common engineering practices in the industry and help you gain knowledge of engineering procedures, engineering responsibilities, engineering management practices, health and safety practices, and an understanding of practical engineering.

Career opportunities

- Architectural design engineer
- Building services engineering
- Project management
- Building Information Management (BIM) specialist

This is an engineering qualification. Graduates will not be architects or qualified to register as architects.



"AUT fit perfectly with my learning style - learning through collaboration, engagement with lecturers and plenty of workshops. The forward-thinking nature of the courses that delivered what the industry wanted was also a huge upside of AUT, and I began to appreciate it more as my degree went on. When I went into the job market, I was constantly hearing 'Wow, you learned that at uni?' from interviewers. They were surprised that some incredibly in-demand skills that are often overlooked by universities were captured by the AUT courses. I now work as an assistant project manager at Beca and was particularly proud when we reached the practical completion of the Southeast Asian Precinct at Auckland Zoo."

Josh Laloli
Assistant Project Manager, Beca
Bachelor of Engineering (Honours)
in Architectural Engineering

Bachelor of Engineering (Honours) Civil Construction Engineering

Scan this QR code for course details and graduate stories.



Designing safe, cost effective and environmentally sustainable buildings and infrastructure is essential to our society. Professional civil construction engineers are involved with the design, planning and construction of the physical infrastructure that surrounds us. AUT's civil construction engineering programme will help you develop skills in construction management, structural engineering, materials technologies, construction systems, productivity improvement and waste reduction strategies.

What this major covers

YEAR 1

All students do the same courses this year. Courses this year cover mathematics and computational techniques, as well as the communication and teamwork skills that are essential for the team environment engineers work in.

YEAR 2

This year you become familiar with construction materials, structural engineering, building construction and quantity surveying. You also develop engineering management and analytical skills.

YEAR 3

This year focuses on specialist construction courses, including geotechnical engineering, sustainable design and development, structural analysis and construction planning. You also explore the design of concrete and steel structures.

YEAR 4

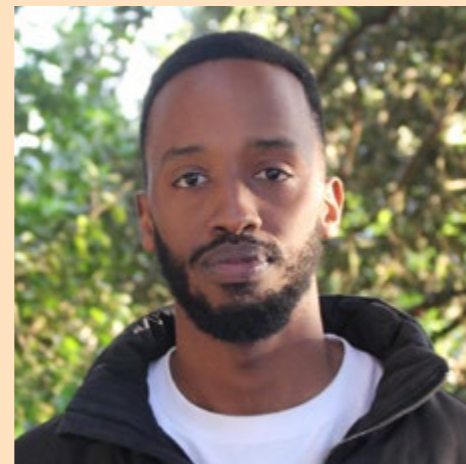
In your final year you complete a research project, which is your opportunity to gain real-life industrial experience in organisations like Fletcher Building, Hawkins, Naylor Love Ltd, NZ Strong Ltd and Auckland Council. You also study courses that cover advanced analytical thinking and recent advancements in your chosen field.

Workplace experience

You also need to complete a minimum of 800 hours of planned supervised work placement to graduate. Work experience aims to expose you to common engineering practices in the industry and help you gain knowledge of engineering procedures, engineering responsibilities, engineering management practices, health and safety practices, and an understanding of practical engineering.

Career opportunities

- Civil and construction site manager
- Civil and construction sustainability consultant
- Digital design specialist (civil and construction)
- BIM coordinator/manager
- Building performance analyst



"I knew that engineering wouldn't limit me to one career pathway, and construction is one of the most diverse fields in engineering - from project management and site engineering to quantity surveying, you have many interesting disciplines to choose from. At the time of my research into what university I wanted to attend, I realised that AUT understood and taught material that was relevant to potential employers in the industry. I knew I'd be getting the proper exposure to succeed in the field of construction engineering. My final-year project was an excellent simulation of a real-life construction process. It tested my group and I to really put to test all that we had learnt in the years prior."

Allan Hakizimana
Graduate Site Engineer, Fletcher Construction
Bachelor of Engineering (Honours) in
Construction Engineering

Bachelor of Engineering (Honours) Electrical and Electronic Engineering

Scan this QR code for course details and graduate stories.



Electrical and electronic engineers work for industries that focus on creating tomorrow's solutions for everything from must-have leisure gadgets to new power and energy sources, and medical and lifesaving equipment. The field of electrical and electronic engineering is a multi-billion dollar industry with limitless career opportunities. You study a wide range of hardware and software theory at AUT. At the end of the programme you will be a creative engineering designer who can solve complex problems across power engineering, control engineering, telecommunications engineering and embedded system engineering.

What this major covers

YEAR 1

All students do the same courses this year. Courses this year cover mathematics and computational techniques, as well as the communication and teamwork skills that are essential for the team environment engineers work in.

YEAR 2

You explore computers and microcontrollers, signals and systems and circuit theory. You also study engineering mathematics and become familiar with generating and storing renewable energy.

YEAR 3

This year focuses on advanced topics including data engineering and AI, power electronic systems, embedded digital systems and instrumentation and control systems.

YEAR 4

In your final year you complete a research project, which will help you gain real-life industrial experience in an engineering environment, under the guidance of an experienced supervisor. You work on a project for organisations like Mighty River Power, Genesis Energy, Contact Energy, Fisher & Paykel Appliances, Spark and Auckland Airport. You also study courses that cover recent advancements in your chosen field.

Workplace experience

You also need to complete a minimum of 800 hours of planned supervised work placement to graduate. Work experience aims to expose you to common engineering practices in the industry and help you gain knowledge of engineering procedures, engineering responsibilities, engineering management practices, health and safety practices, and an understanding of practical engineering.

Career opportunities

- Electrical or electronic engineer
- Embedded system engineer
- Power engineer
- Engineering consultant
- Telecommunications engineer
- Aeronautical or aerospace engineer
- System engineer
- Automation engineer



"AUT provided immersive learning environments that gave us insights into the practical application of the theory we were learning through labs and workshops. During my time with AUT I managed to gain practical skills and work on industry projects that helped me stand out to employers when I was looking for internships and job roles. AUT is also quite big on entrepreneurship with events that encourage students to develop their business ideas. During some of my engineering projects we had to innovate and create our own thing, which really opened my eyes to how to make your own product. If you utilise the equipment in the labs and design workshops at AUT, you could make a viable product ready for the shelf."

Daniel Ruwangalegedara
Sri Lankan, Ngāpuhi, Ngāti Porou
Electrical Engineer (Building Services), AECOM
Bachelor of Engineering (Honours) in
Electrical and Electronic Engineering

Bachelor of Engineering (Honours) Maritime Engineering

Scan this QR code for course details and graduate stories.



Maritime engineering is critical. Across the globe a web of offshore infrastructure supports the delivery of oil and gas supplies that power the world's transportation. Maritime engineers keep these vital vessels and systems working. Through a joint venture with Australian Maritime College (AMC), New Zealand students can study maritime engineering¹. You start with two years of study at AUT and then transfer to the AMC in Tasmania for your final two years. There is no other programme of this kind in New Zealand.

What this major covers

YEAR 1

All students do the same courses this year. Courses this year cover mathematics and computational techniques, as well as the communication and teamwork skills that are essential for the team environment engineers work in.

YEAR 2

This year covers the tools to apply mathematical and engineering sciences to different engineering disciplines. You also become familiar with hydrostatics and fluid mechanics, ship production and design, thermodynamics, and offshore and maritime engineering.

YEAR 3 & 4

You transfer to the Australian Maritime College, University of Tasmania¹ where you study one of these majors: Marine and Offshore Engineering, Naval Architecture or Ocean Engineering. Scan the QR code at the top of this page for more details.

Workplace experience is a key component of the degree, and you gain exposure to the maritime industry in companies like Alloy Yachts, Babcock Engineering, Marine Industrial Design and Transfield Worley.

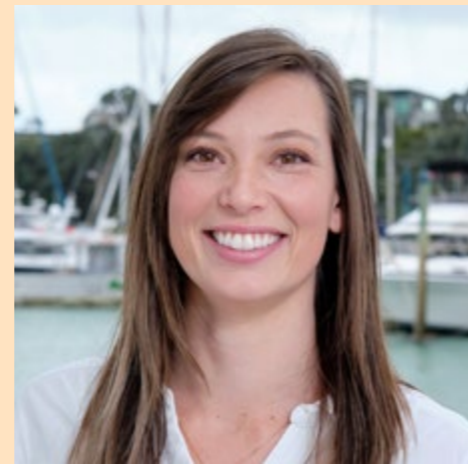
Workplace experience

You also need to complete a minimum of 12 weeks of planned supervised work placement to graduate. Work experience aims to expose you to common engineering practices in the industry and help you gain knowledge of engineering procedures, engineering responsibilities, engineering management practices, health and safety practices, and an understanding of practical engineering.

Career opportunities

Graduates of the programme may be eligible for membership of:

- Engineers Australia (as a Graduate Professional Engineer)
- Royal Institution of Naval Architects
- The Institute of Marine Engineering, Science and Technology



"AUT caters to the modern world by adapting its courses to provide students with the appropriate skillset, ready for the demands of the working world. I especially loved the hands-on experience I was able to get in my third and fourth year of study through the facilities at the Australian Maritime College (AMC) in Tasmania. I regularly got out of the classroom to be in the towing tank, model testing basin or out at sea. In my work now, each day is different, and no two boats are ever the same. My main area of work involves stability analysis, 3D modelling, structural design and general naval architectural duties."

Renee Fuller
Naval Architect, Marine Industrial Design (MID)
Bachelor of Engineering (Honours) in
Maritime Engineering

¹. Maritime majors are only open to New Zealand citizens.

Bachelor of Engineering (Honours) Mechanical Engineering

Scan this QR code for course details and graduate stories.



Mechanical engineers work with advanced technology across many fields – from transportation to energy systems, home appliances to robotics, manufacturing machinery and processes to medical technologies. In a world where global warming and environmental degradation are critical issues, mechanical engineers play a key role in developing new sustainable technologies.

What this major covers

YEAR 1

All students do the same courses this year. Courses this year cover mathematics and computational techniques, as well as the communication and teamwork skills that are essential for the team environment engineers work in.

YEAR 2

Courses cover solid mechanics, mechanisms and dynamics of machinery, engineering design methodology, fluids and thermodynamics and manufacturing technology. You also further your analytical engineering, management and teamwork skills.

YEAR 3

This year covers higher level dynamics, solid mechanics, materials, advanced manufacturing techniques, heat transfer and mechanical design.

YEAR 4

In your final year you complete a research project, as well as courses that cover advancements in your field. Your research project is your opportunity to gain real-life industrial experience in an engineering environment, under the guidance of an experienced supervisor. You work on a project for organisations like Mighty River Power, Genesis Energy, Contact Energy, Fisher & Paykel Appliances, Spark and Auckland Airport.

Workplace experience

You also need to complete a minimum of 800 hours of planned supervised work placement to graduate. Work experience aims to expose you to common engineering practices in the industry and help you gain knowledge of engineering procedures, engineering responsibilities, engineering management practices, health and safety practices, and an understanding of practical engineering.

Career opportunities

- Engineer and general manager
- Manufacturing engineer
- Mechanical engineer
- Product designer
- Project manager



"I've always known that hands-on practical experiments are the most effective means for me to gain a profound understanding. What I liked about AUT is that it places a strong emphasis on practical learning, providing ample opportunities for students to engage in real-world applications alongside theoretical instruction. One of the highlights for me was working with one of my professors on his research project to enhance the effectiveness of a continuous positive airway pressure system for the treatment of sleep apnea patients. The student life was great too, with a perfect balance of studies and time for yourself to enjoy. Because I was part of many clubs, I made heaps of friends from different backgrounds."

Prithvi Rajneesh Shethia
India
Product Development Engineer,
Fisher & Paykel Healthcare
Bachelor of Engineering (Honours) in
Mechanical Engineering

Bachelor of Engineering (Honours) Mechatronics Engineering

Scan this QR code for course details and graduate stories.



Mechatronics engineers design and develop smart products and processes. They use principles of mechanical, electrical and electronics engineering, and computer science to create solutions and systems that are effective and viable. With the Mechatronics Engineering major in the Bachelor of Engineering (Honours) you develop professional skills in several engineering disciplines, including complex technical, business and project management techniques.

What this major covers

YEAR 1

All students do the same courses this year. Courses this year cover mathematics and computational techniques, as well as the communication and teamwork skills that are essential for the team environment engineers work in.

YEAR 2

This year introduces you to microcontrollers, solid mechanics, electronics, and the mechanics and dynamics of machinery. You also further your engineering mathematics skills.

YEAR 3

You learn about embedded digital systems, instrumentation and control, data engineering and AI, and machines and drives.

YEAR 4

In the final year you complete a research project, which is your opportunity to gain real-life industrial experience in an engineering environment, under the guidance of an experienced supervisor. You also study courses that cover advanced analytic thinking and the latest advancements in your chosen field.

Workplace experience

You also need to complete a minimum of 800 hours of planned supervised work placement to graduate. Work experience aims to expose you to common engineering practices in the industry and help you gain knowledge of engineering procedures, engineering responsibilities, engineering management practices, health and safety practices, and an understanding of practical engineering.

Career opportunities

- Design of smart products
- Process and service design
- Systems integration
- Design of medical and sports devices
- Design of mechanical or electronics products
- Software engineering
- Embedded systems engineering
- Project engineer
- Design team leader
- Project management



"What I liked about studying mechatronics engineering is that it combines mechanical, electrical, computer and software engineering, and didn't restrict me to one path in engineering. I could explore a much broader area and use a variety of knowledge to contribute towards the betterment of the world using my engineering knowledge. I particularly enjoyed the hands-on nature of some of the courses. That was enjoyable and fascinating. Being able to put the theory you've learnt into a working model is what makes engineering fun. This hands-on experience further boosts your confidence as you know you can tackle real-life problems thrown at you once you go out into the industry. Another highlight were the people I've met and all the opportunities studying brought me."

Sithum Nanayakkara
Specialist Engineering Graduate, Fonterra
Bachelor of Engineering (Honours) in
Mechatronics Engineering

Bachelor of Engineering (Honours) Software Engineering

Scan this QR code for course details and graduate stories.



Professional software engineers are responsible for constructing, deploying and maintaining high-quality software in a systematic, timely and disciplined manner. Software engineers must be technically proficient and work effectively in teams and with multiple stakeholders. In this major you learn to design, develop, test and maintain software. To prepare you for a career as a professional engineer you also develop your communication and teamwork skills.

What this major covers

YEAR 1

All students do the same courses this year. Courses this year cover mathematics and computational techniques, as well as the communication and teamwork skills that are essential for the team environment engineers work in.

YEAR 2

Topics cover data structures and algorithms, software theory and construction, operating systems and database design. You will also further your engineering mathematics skills.

YEAR 3

This year you study more advanced software engineering topics, including highly secure systems, data engineering and AI, and current issues in software engineering. You also take part in a software team project.

YEAR 4

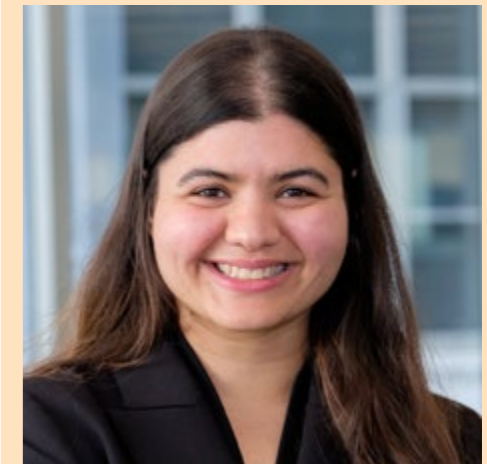
In the final year you complete a research project, which is your opportunity to gain real-life industrial experience in an engineering environment, under the guidance of an experienced supervisor. You also study courses that cover advanced analytic thinking and the latest advancements in your chosen field.

Workplace experience

You also need to complete a minimum of 800 hours of planned supervised work placement to graduate. Work experience aims to expose you to common engineering practices in the industry and help you gain knowledge of engineering procedures, engineering responsibilities, engineering management practices, health and safety practices, and an understanding of practical engineering.

Career opportunities

- Software engineer
- Database programmer and architect
- Software tester
- Software development project manager
- Embedded software designer or developer
- Mobile apps designer or developer
- Cloud applications developer
- Solutions architect



"During my time at AUT, I got a true glimpse of how unlimited the scope of learning is; ranging from full stack development to user experience research projects, from AI computer vision projects to creative game design in virtual reality. I particularly enjoyed the freedom to choose my final-year project, where I was able to work with a company called Method, developing a computer vision solution on unreleased virtual reality hardware. I would absolutely recommend the Bachelor of Engineering (Honours) in Software Engineering. It's a great environment for learning, and there is a lot of encouragement to pursue an area you're passionate about within the degree."

Michelle Extross
QA Engineer, Canva, Brisbane
Bachelor of Engineering (Honours) in
Software Engineering

Bachelor of Engineering Technology Overview

BEngTech | AK3719

QUICK FACTS

Level	7
Points	360
Duration	3 years full-time, part-time available
Campus	City
Starts	3 March & 21 July 2025

Engineering technologists focus on practical design and applied technology, working across a wide range of engineering disciplines. The Bachelor of Engineering Technology prepares you for these diverse careers. It's accredited by Engineering New Zealand, meets the Sydney Accord and prepares you for Technical Membership of Engineering New Zealand. You learn to make engineering judgements, solve problems creatively and ethically, and design for sustainability.

You develop strong interpersonal and teamwork skills, and communicate technical and non-technical information. Our close links with companies like Fisher & Paykel, Beca, Opus, Spark, One NZ, Sky TV and Contact Energy can help you gain valuable workplace experience as part of your studies.

Entry requirements

Minimum entry requirements

University Entrance or equivalent including:

- **NCEA:** 14 credits or more at level 2 or above (including AS91261 and AS91262) OR NCEA level 3 in Maths, Stats or Calculus, AND 14 credits or more at NCEA Level 2 or above in Physics
- **CIE:** A D grade or better in Mathematics and Physics at AS level
- **IB:** Passes (level 4) in both Mathematics and Physics

Applicants without UE must demonstrate competency in Mathematics (algebra) and Physics to at least level 2 or equivalent.

Useful New Zealand school subjects

Digital Technologies, English, Technology

English language requirements

IELTS (Academic) 6.0 overall with all bands 5.5 or higher; or equivalent.

Don't meet the entry requirements?

Consider starting with the Diploma in Engineering – refer to page 35 for more details.



Scan this QR code for details about courses, where your study could lead, and stories about our great graduates and students.

What this qualification covers

YEAR 1

Your first year introduces you to the different fields of engineering and helps you better imagine what your future career as an engineer could look like. Most of your first-year courses are shared between the majors in this programme and the Bachelor of Engineering (Honours), making it easy for you to switch between our engineering degrees and majors.

YEAR 2 & 3

In your second year you begin to specialise in your chosen engineering subject. In Year 3 you further advance your knowledge of your chosen subject and explore an engineering issue through your final-year research project. You also need to complete a minimum of 600 hours of planned supervised work experience to graduate, in addition to completing all your courses.

Majors

Your major is the subject area you want to specialise in. Choose one of these majors as part of your degree:

- Electrical and Electronic Engineering
- Mechanical Engineering

	YEAR 1	YEAR 2	YEAR 3
SEMESTER 1	Introductory Engineering Mathematics 15 PTS	Major course 15 PTS	Major course 15 PTS
	Engineering Mathematics I 15 PTS	Major course 15 PTS	Major course 15 PTS
	Electrical Engineering Fundamentals 15 PTS	Major course 15 PTS	Elective course 15 PTS
	Introduction to Sustainable Engineering Design 15 PTS	Major course 15 PTS	Elective course 15 PTS
SEMESTER 2	Engineering Materials I 15 PTS	Engineering Management 15 PTS	Major course 15 PTS
	Mahitahi Collaborative Practices 15 PTS	Major course 15 PTS	Elective course 15 PTS
	Programming Concepts and Techniques 15 PTS	Major course 15 PTS	Specialisation Project 30 PTS
	Major course 15 PTS	Major course 15 PTS	

Core courses PTS: Points This chart is for guidance only. There could be some variation depending on which major you choose.



"I enjoyed the diverse atmosphere, particularly meeting friends from different ethnicities, interests, walks of life and ages; all of whom have become really good friends. I'd most definitely recommend the electronics, engineering or IT programmes if you have the interest and love the challenge. I now work for Avaroa Cable Limited, the newest wholesale telecommunications provider for the Cook Islands in the South Pacific. I'm part of the network engineering team that procured, installed and now operates the Manatua Cable on behalf of the Cook Islands. I have counterpart engineers in Samoa, Niue, French Polynesia and beyond. My role enables me to build on the skills I gained from AUT while applying them in a field that is constantly evolving."

Tania Apera
Cook Islands
Lead Systems Engineer, Avaroa Cable Limited, Rarotonga, Cook Islands
Bachelor of Engineering Technology in Electronic Engineering

Bachelor of Engineering Technology Electrical and Electronic Engineering

Scan this QR code for course details and graduate stories.



Interested in the electrical, control and power industry? Electrical engineers keep the power running for businesses and our communities. The Electrical and Electronic Engineering major equips you with the skills to design, implement, and maintain power and utility systems. You also learn about electrical power engineering circuits, process control systems and programmable logic displays. In your final year you specialise in building services, power or control.

What this major covers

YEAR 1

This major shares most of the first-year courses with the other major in the Bachelor of Engineering Technology. You also take the first course related to your major, and explore computer systems, digital devices and programming.

YEAR 2

The focus this year is power and control engineering. This year also introduces you to management and project management skills, and includes a compulsory practical project.

YEAR 3

This year you complete a supervised specialisation project, which helps you develop new skills that include design and production techniques. You'll work as individuals or as part of a team, and critically reflect on the relationship between your academic studies and engineering workplace practice, test theories and identify gaps in your knowledge to enhance your understanding of practical engineering matters. You also become familiar with more advanced electrical and electronic engineering concepts, including renewable energy, power systems and electrical machines.

Workplace experience

You also need to complete a minimum of 600 hours of planned supervised work placement to graduate. Work experience aims to expose you to common engineering practices in the industry and help you gain knowledge of engineering procedures, engineering responsibilities, engineering management practices, health and safety practices, and an understanding of practical engineering.

Career opportunities

- Control system engineer
- Lighting and building services engineer
- Power systems engineer



"From a young age I've had a deep love for technology and how things worked, as well as problem-solving and puzzles. I knew that becoming an engineer in Samoa would allow me to work with new technology and contribute to the development of my country. I strongly believe in sustainability, so the best way for me to promote sustainability was to become an electrical engineer and help Samoa and other Pacific nations develop towards a sustainable future with renewable energy. So many of my AUT engineering lecturers were very passionate about what they taught and about their students' future careers, and they had a lot of life experience to share in class."

Luna-Rossa Lomitusi-Ape
Samoa
Graduate Electrical Engineer,
Electrical Power Corporation, Vaitele, Samoa
Bachelor of Engineering Technology
in Electrical Engineering

Bachelor of Engineering Technology Mechanical Engineering

Scan this QR code for course details and graduate stories.



What do food processing, plastics manufacturing, metal machining and mechanical design have in common? They're all career options for skilled mechanical engineering technologists. The Mechanical Engineering major prepares you for careers as an engineering technologist in mechanical engineering, and production or manufacturing engineering.

What this major covers

YEAR 1

This major shares most of the first-year courses with the other major in the Bachelor of Engineering Technology. You also take the first course related to your major and become familiar with key concepts related to mechanical engineering.

YEAR 2

You advance your knowledge of mechanics, design, fluid mechanics and mathematics. You also become familiar with manufacturing technology and engineering management.

YEAR 3

This year you complete a supervised specialisation project, which helps you develop new skills that include design and production techniques. You'll work as individuals or as part of a team, and critically reflect on the relationship between your academic studies and engineering workplace practice, test theories and identify gaps in your knowledge.

You also become familiar with advanced topics in mechanical engineering, including heat transfer, mechanical design and product design.

Workplace experience

You also need to complete a minimum of 600 hours of planned supervised work placement to graduate. Work experience aims to expose you to common engineering practices in the industry and help you gain knowledge of engineering procedures, engineering responsibilities, engineering management practices, health and safety practices, and an understanding of practical engineering.

Career opportunities

- Maintenance engineer
- Mechanical design engineer
- Mechanical engineer
- Product development engineer
- Production/manufacturing engineer
- Project management



"I initially chose to study engineering at AUT because of its reputation for producing graduates who are 'job ready', but one of the things I've enjoyed most about my studies was how my degree taught me to look at problems and break them down. That's a way of thinking I still apply to my work every day. Since then, I've helped grow technology consulting practices for Datacom, have led organisation-wide transformation programmes for Fresh Direct Ltd, and have built a strong and reliable network of technology professionals who I love interacting with. In 2021 I was also named as a finalist in the 2021 New Zealand CIO Awards in the emerging leader category."

Avinash de Silva
Technology Officer, Alvarium Wealth
Bachelor of Engineering Technology in
Mechanical Engineering

Bachelor of Computer and Information Sciences

Overview

BCIS | AK3697

QUICK FACTS

Level	7
Points	360
Duration	3 years full-time, part-time available
Campus	City
Starts	3 March & 21 July 2025

Study computer and information sciences with us and choose from a wide range of programmes that prepare you for careers spanning everything from telecommunications to education, and healthcare to finance. The Institute of IT Professionals NZ (IITP) accredits our Bachelor of Computer and Information Sciences as meeting the Seoul Accord.

You benefit from our outstanding facilities and industry connections, including our ICT and Engineering Careers Fair where you can meet representatives from New Zealand's biggest and most exciting companies. Pair this with the industry research project in your final year, and you have the perfect foundation to launch your career in computer and information sciences.

Entry requirements

Minimum entry requirements

University Entrance or equivalent

Useful New Zealand school subjects

Calculus, Digital Technologies, Mathematics, Statistics

English language requirements

IELTS (Academic) 6.0 overall with all bands 5.5 or higher; or equivalent

Don't meet the entry requirements?

Consider starting with the Diploma in Computer and Information Sciences – refer to page 34 for more details.



"I chose to study the Bachelor of Computer and Information Sciences because I knew that AUT specialised in different technologies in the first year. I liked that I was exposed to different areas, including computer science, artificial intelligence, information science and software development. My lightbulb moment was when I was in my second year at AUT and doing work for the AUT Oceanian Leadership Network to encourage more Māori and Pacific people to get involved in science, technology, engineering and maths. Seeing my people discover that they too can be in technology sparked something in me. Learning how to code is great but using your skills for people is even better. My tautua (service) to my family and community has led me to where I am today."

Eteroa Tusipepa Lafaele
 Director, Fibre Fale
 Co-Founder, DigiTautua
 Bachelor of Computer and Information Sciences in Software Development



Scan this QR code for details about courses, where your study could lead and stories about our great graduates and students.

What this qualification covers

The Bachelor of Computer and Information Sciences is highly flexible and you can build your degree in a way that suits you and your interests.

To graduate with a Bachelor of Computer and Information Sciences you need to complete:

Core courses (120 points)

These are courses all students in this degree need to take. These courses cover foundation knowledge in computing and IT, and help you decide which subject to focus on later in your studies. One of the core courses is the research and development project you complete in your third year.

Your chosen major (120 points)

Your major is the subject area you want to specialise in. This makes up one third of your degree, and usually consists of eight courses related to your chosen subject. You can view the list of majors in this degree on page 22.

Flexible component (120 points)

You can choose one of the following options

- Two minors (60 points each); or
- A minor (60 points) and elective courses (60 points); or
- A second major (120 points)

Your second major, minor(s) and elective courses can be from computing or from different AUT degrees.

	YEAR 1	YEAR 2	YEAR 3
SEMESTER 1	Programming Concepts & Techniques 15 PTS	Major course 15 PTS	Major course 15 PTS
	Computing Technology in Society 15 PTS	Major course 15 PTS	Major course 15 PTS
	Mahitahi Collaborative Practices 15 PTS	Flexible component 15 PTS	Flexible component 15 PTS
SEMESTER 2	Mathematics for Computing 15 PTS	Flexible component 15 PTS	Flexible component 15 PTS
	IT Project Management 15 PTS	Major course 15 PTS	Major course 15 PTS
	Database System Design 15 PTS	Major course 15 PTS	Flexible component 15 PTS
	Major course 15 PTS	Flexible component 15 PTS	Research & Development Project 30 PTS
	Flexible component 15 PTS	Flexible component 15 PTS	

Core courses PTS: Points

Bachelor of Computer and Information Sciences

Overview continued

Majors

Choose one of these majors as part of your degree:

- Computer Science
- Data Science
- Digital Services
- Networks and Cybersecurity
- Software Development

Refer to pages 23 to 26 for more details on each of these majors.

If you want to include a second major in your degree, you can choose another subject from the list above or can see more options from different AUT degrees on aut.ac.nz/majors-minors

Minors

A minor is smaller than a major. It usually consists of four courses.

If you decide to include a minor in your degree, you could choose from:

- Artificial Intelligence
- Computer Science
- Data Science
- Digital Services
- Networks and Cybersecurity
- Software Development

For more information on each of these minors and to see even more minors from other subjects visit aut.ac.nz/majors-minors

Bachelor of Computer and Information Sciences Computer Science

Scan this QR code for course details and graduate stories.



Career opportunities

- Algorithm engineer
- Back-end developer
- Quantitative analyst/researcher
- IT project manager

Computer science is the study of how computers work and how they can help us solve complex problems and interact with the world around us. Computer scientists develop innovative solutions, improve existing technologies and drive technological advancements. This major is a mix of computing theory and practical implications to solve real-life problems; setting you up well for a wide range of careers that are in demand around the world.

What this major covers

YEAR 1

You'll study six core courses that cover foundational computing knowledge, as well as a course on programming, covering the processes of program design and implementation using object-oriented programming. You also take the first course for your second major, minor(s) or elective courses.

YEAR 2

Courses you study this year include data structures and algorithms, computer graphics programming, and logical and combinatorial tools and methods. You also continue to take courses for your chosen second major, minor(s) or elective courses.

YEAR 3

Courses this year are related to computation theory, programming languages, and distributed and mobile systems. You also take the final courses for your chosen second major, minor(s) or elective courses.

Workplace experience

The Research and Development Project course in your final year brings together the skills you've developed throughout your degree. You apply what you've learnt in a project for an industry client or research centre, under the guidance of an experienced supervisor.



Build your degree on our website

Visit our website to build your own degree and see what your three years of study could look like. Simply scan the QR code on page 21.

Possible combinations include:

- Bachelor of Computer and Information Sciences in Networks and Cybersecurity with minors in Finance & Economics (one major, two minors)
- Bachelor of Computer and Information Sciences in Software Development with a minor in Artificial Intelligence (one major, one minor, plus elective courses of your choice)
- Bachelor of Computer and Information Sciences in Data Science & Software Development (two majors)

Bachelor of Computer and Information Sciences Data Science

Scan this QR code for course details and graduate stories.



Advances in big data analytics are already driving businesses and organisations towards increasing levels of automated decision-making through sophisticated machine learning software. As a graduate of this major you'll be ready to design and implement data-driven solutions for a range of problems.

What this major covers

YEAR 1

You'll study six core courses that cover foundational computing knowledge, as well as a course on data analytics, covering basic data analysis techniques and the computing tools to apply such techniques. You also take the first course for your second major, minor or elective courses.

YEAR 2

Courses include data science, forecasting, structures and algorithms. You also take courses for your chosen second major, minor(s) or elective courses.

YEAR 3

Courses this year are related to nature inspired computing, AI, data mining and knowledge engineering. You also take courses for your chosen second major, minor(s) or elective courses.

Workplace experience

The Research and Development Project course in your final year brings together the skills you've developed throughout your degree. You apply what you've learnt in a project for an industry client or research centre, under the guidance of an experienced supervisor.

Career opportunities

- Data analyst
- Data scientist
- Data engineer



"I decided to pursue a degree in data science because I had been following sports and the statistical analysis of player performances against other metrics sparked my interest. I'm excited about understanding how this works, and it's interesting to apply the skills from this degree to the sporting analytical world. I could see myself as a sports analyst or a data analyst in my future career. My final-year project – Moneyball for Motorsport – gave me the opportunity to delve deeper into sports analytics. Applying my knowledge to practical scenarios was so rewarding! I enjoyed working on a real-life scenario for a company and gaining experiences that will help me throughout my future. As part of the feedback, my project mentor also suggested that I consider postgraduate study and I've already applied for AUT's Master of Analytics."

Monalisa Verma
3rd-year student, Bachelor of Computer and Information Sciences in Data Science

Bachelor of Computer and Information Sciences Digital Services

Scan this QR code for course details and graduate stories.



Technology is vital in our day-to-day lives but the digital technology we rely on needs to be secure, well-designed and fit for purpose. With the Digital Services major you learn to analyse, design, procure and implement information technology solutions.

What this major covers

YEAR 1

You'll study six core courses that cover foundational computing knowledge, as well as a course on digital services and their role in the development and provision of IT services. You'll become familiar with the foundations of IT services and IT services management, including relevant processes, practices and techniques. You also take the first course for your second major, minor or elective courses.

YEAR 2

Courses this year cover needs analysis, acquisition and training; modelling, microservices, program design and construction, and information security technologies. You also take courses for your second major, minor(s) or elective courses.

YEAR 3

You complete courses related to service innovation and design, internet of things and applications, and information security management. You also take courses for your chosen second major, minor(s) or elective courses.

Workplace experience

The Research and Development Project course in your final year brings together the skills you've developed throughout your degree. You apply what you've learnt in a project for an industry client or research centre, under the guidance of an experienced supervisor.

Career opportunities

- Call centre manager
- Database administrator
- Information analyst and designer
- IT support role
- Logistics analyst
- Network and systems administrator
- Outsourced IT services co-ordinator
- Solutions architect
- Integration and functional consultant
- IS operational manager
- IT service supervisor



"The programme provides a good structure for students wanting a career in computer science or information technology. Throughout the degree students can also meet New Zealand IT professionals, which is essential for networking and career prospects. Students also engage with an industry organisation during the final-year project. I was particularly grateful for the immense support within AUT, and I've appreciated learning from academic staff who are well-informed in their areas of expertise in the IT industry. At AUT you'll meet people from all around the world and gain a new perspective of life. Expect to embark on an adventure of a lifetime."

Vanessa Simbiken
Papua New Guinea
Digital Transformation Associate, PwC,
Port Moresby, Papua New Guinea
Bachelor of Computer and Information Sciences in IT Service Science

Bachelor of Computer and Information Sciences Networks and Cybersecurity

Scan this QR code for course details and graduate stories.



Information is often an organisation's most precious asset – but it's also one of its most vulnerable assets. In this major you study the basics and infrastructure of networking, and learn to configure, implement and analyse network devices. This includes information network administration and cybersecurity to an advanced level.

What this major covers

YEAR 1

You'll study six core courses that cover foundational computing knowledge. You also become more familiar with networks and the internet, exploring data communications and computer networking principles in a network environment. You also take the first course for your second major, minor or elective courses.

YEAR 2

Courses include network and system administration, applications, and operating systems. You also take courses for your chosen second major, minor(s) or elective courses.

YEAR 3

This year you complete courses related to network security, network technologies, enterprise networks, secure systems, and information security management. You also take courses for your chosen second major, minor(s) or elective courses.

Workplace experience

The Research and Development Project course brings together the skills you've developed throughout your degree. You apply what you've learnt in a project for an industry client or research centre, under the guidance of an experienced supervisor.

Career opportunities

- IT security analyst
- Network analyst
- Network designer
- Systems and network administrator



"I chose to study computing because there are great job opportunities in this field and I've always had an affinity for working with computers, whether it was learning rudimentary networking for creating servers for games like Minecraft, or my general curiosity in data and how computers store and use it. I chose networks and cybersecurity because I found building and designing network topologies interesting and recognised the necessity of learning networks given the increasing internet connectivity. I went to AUT because I believe that it's the right university to equip me with the tools to enter the workforce and navigate through life. What I've enjoyed the most about studying here is meeting new people."

Rhodes Sikireta
2nd-year student, Bachelor of Computer and Information Sciences in Networks and Cybersecurity with a minor in Marketing

Bachelor of Computer and Information Sciences Software Development

Scan this QR code for course details and graduate stories.



Demand for new technology is constantly increasing. Technological solutions could lead to advances in areas as diverse as biomedicine, communications, business and entertainment. Software developers play a role in those advances. This major prepares you for these diverse and exciting roles.

What this major covers

YEAR 1

You'll study six core courses that cover foundational computing knowledge, as well as a course on programming, covering the processes of program design and implementation using object-oriented programming. You also take the first course for your second major, minor or elective courses.

YEAR 2

Courses include software development practice, program design and construction, data structures, operating systems, and algorithms. You also take courses for your chosen second major, minor(s) or elective courses.

YEAR 3

You complete courses related to human computer interaction, issues in software engineering, distributed and mobile systems, and web development. You also take courses for your chosen second major, minor(s) or elective courses.

Workplace experience

The Research and Development Project course brings together the skills you've developed throughout your degree. You apply what you've learnt in a project for an industry client or research centre, under the guidance of an experienced supervisor.

Career opportunities

- Computer programmer
- Mobile/app developer
- Software developer, engineer or tester
- Systems analyst or architect
- Technology consultant
- Web developer
- Project manager



"I came to AUT because, after some research and chatting with friends, I found that AUT is best for its practical teaching mode. What that means is that the software development degree can prepare students at a professional level, and students can get more than enough practical training to prepare them before they go into the workplace. My job now involves building ELT/ETL pipelines with Azure Data Factory to bring data from other sources to our cloud data warehouse. I also construct solutions for our clients to visualise the data models. I work among an agile team, which helps with managing the tasks."

Matthew Fan
China
Data Engineer, Spark New Zealand
Bachelor of Computer and Information Sciences in Software Development

Bachelor of Science Overview

BSc | AK1041

QUICK FACTS	
Level	7
Points	360
Duration	3 years full-time, part-time available
Campus	City
Starts	3 March & 21 July 2025

Studying a Bachelor of Science is guaranteed to ignite your passion for knowledge about the world, and will be the start of a lifelong career in science. The rapid evolution of technology makes studying analytics, or mathematical modelling and computation an exciting and demanding career option - one with huge job opportunities. Study with us and you have access to some of the best lecturers in New Zealand, and state-of-the-art equipment. Our strong links with the scientific community extend right across the world; making it easy for you to transition from university to your career.

Entry requirements

Minimum entry requirements

University Entrance or equivalent

Useful New Zealand school subjects

Calculus, Mathematics, Physics, Statistics

English language requirements

IELTS (Academic) 6.0 overall with all bands 5.5 or higher; or equivalent



Scan this QR code for details about courses, where your study could lead and stories about our great graduates and students.

What this qualification covers

The Bachelor of Science is highly flexible and you can build your degree in a way that reflects your interests.

To graduate with a Bachelor of Science you need to complete:

Core courses (120 points)

These are courses all students in this degree need to take. These courses give you a basic understanding of different areas of science, and help you decide which subject to focus on later in your studies.

One of the core courses is the capstone project, a research or industry project you complete in your third year.

Your chosen major (120 points)

Your major is the subject area you want to specialise in. This makes up one third of your degree, and usually consists of eight courses related to your chosen subject. You can view the list of majors in this degree on page 30.

Flexible component (120 points)

You can choose one of the following options

- Two minors (60 points each); or
- A minor (60 points) and elective courses (60 points); or
- A second major (120 points)

Your second major, minor(s) and elective courses can be from science or from different AUT degrees.



"A pivotal point of my life was around my late high school years back in Samoa when I realised that mathematics plays a huge role in our comprehension of reality. Ever since then I was passionate about pursuing a career in mathematics. There are many passionate lecturers at AUT who are willing to transfer their knowledge to their students and will break a concept down to its core for you to understand. There is also a lot of support offered by course coordinators, including tutorials, office hours and many other resources. Once I finish my master's degree, I'd love to pursue a career in the world of data science, engineering or anything that deals with mathematical and statistical analysis."

Toetu Fatu Lafoai
Master of Analytics student
Bachelor of Science in Applied Mathematics and Computer Science

	YEAR 1	YEAR 2	YEAR 3
SEMESTER 1	Mahitahi Collaborative Practices OR Science & Society 15 PTS	Vision Mātauranga: Science Practice in Aotearoa 15 PTS	Science Capstone Project A 15 PTS
	Natural Sciences course 15 PTS	Instrumental Analysis OR Scientific Inquiry 15 PTS	Major course 15 PTS
	Mathematical & Computer Sciences course 15 PTS	Major course 15 PTS	Major course 15 PTS
	Natural Sciences course OR Mathematical & Computer Sciences course 15 PTS	Major course 15 PTS	Flexible component 15 PTS
SEMESTER 2	Major course 15 PTS	Major course 15 PTS	Science Capstone Project B 15 PTS
	Major course 15 PTS	Flexible component 15 PTS	Major course 15 PTS
	Flexible component 15 PTS	Flexible component 15 PTS	Flexible component 15 PTS
	Flexible component 15 PTS	Flexible component 15 PTS	Flexible component 15 PTS

Core courses PTS: Points

The semesters in which courses are taught could change.

Bachelor of Science

Overview continued

Majors

Choose one of these majors as part of your degree:

- Analytics
- Mathematical Modelling and Computation

Refer to pages 31 to 32 for more details on each of these majors.

If you want to include a second major in your degree, you can choose another subject from the list above or you could choose from other subjects in the Bachelor of Science:

- Biological Science
- Biomedical Science
- Chemistry
- Environmental Science
- Food Science
- Marine Science

Scan the QR code on page 29 to see more info on these science majors.

To see more options from different AUT degrees visit aut.ac.nz/majors-minors

Minors

A minor is smaller than a major. It usually consists of four courses. If you decide to include a minor in your degree, you could choose from:

- Analytics
- Astronomy and Space Science
- Bioanalytical Chemistry
- Biochemistry
- Biodiversity Conservation
- Biomedical Science
- Chemical Science
- Earth System Science
- Environmental Science
- Environmental Sustainability
- Food and Environmental Safety
- Food Science
- Geospatial Science
- Marine Science
- Mathematical Modelling and Computation
- Microbiology
- Molecular Genetics
- Pharmaceutical Formulation

For more information on each of these minors and to see even more minors from other subjects visit aut.ac.nz/majors-minors



Build your degree on our website

Visit our website to build your own degree and see what your three years of study could look like. Simply scan the QR code on page 29.

Possible combinations include:

- Bachelor of Science in Analytics with minors in Psychology & Economics (one major, two minors)
- Bachelor of Science in Analytics with a minor in Geospatial Science (one major, one minor, plus elective courses of your choice)
- Bachelor of Science in Mathematical Modelling and Computation & Environmental Science (two majors)

Bachelor of Science

Analytics

Scan this QR code for course details and graduate stories.



Analytical skills are essential in today's business environment, in New Zealand and around the world. The Analytics major is a statistics-based subject. If you major in analytics, you'll develop an understanding of the mathematical and statistical concepts that underpin statistical analysis techniques. You'll gain the knowledge to apply statistical analysis techniques and also develop new techniques. You learn about stochastic modelling, which can be used to help a business make decisions under uncertainty, and become familiar with computing techniques to extract and analyse data.

What this major covers

YEAR 1

In your first year you can choose from a range of core courses covering computer and mathematical sciences, and natural sciences. You also study courses on algebra and calculus, and introductory probability and statistics. You also take the first courses for your second major, minor or elective courses.

YEAR 2

You become familiar with forecasting, statistical interference and statistical data analysis. You also take courses for your second major, minor(s) or elective courses.

YEAR 3

You explore advanced topics in analytics, including stochastic modelling, industry and business analysis, and multivariate data analysis. You also complete a research or industry project in an area related to analytics. This project gives you an important competitive edge for your career, and is good preparation for postgraduate study. You also take the final courses for your second major, minor(s) or elective courses this year.

Career opportunities

- Analytics and insights specialist
- Data analyst
- Data analytics specialist
- Data scientist
- Actuarial analyst
- Financial and marketing analyst
- Portfolio manager
- Performance analyst

Bachelor of Science Mathematical Modelling and Computation



Scan this QR code for course details and graduate stories.

The Mathematical Modelling and Computation major will give you the skills to carry out modelling research and the analysis of problems in many industries. Mathematical modelling tells us about our world and helps predict what will happen next. Whether you want to look at global warming patterns, figure out the structural integrity of a building or forecast economic trends – it all relies on mathematical modelling. With skills in mathematical modelling and computation you can be part of the solution to a vast array of complex issues facing the world.

What this major covers

YEAR 1

In your first year you can choose from a range of core courses covering computer and mathematical sciences, and natural sciences. You also study courses on algebra and calculus, and introductory probability and statistics. You also take the first courses for your second major, minor or elective courses.

YEAR 2

This year courses focus on algebra and calculus, modelling and differential equations, and quantitative decision analysis. You also take courses for your second major, minor(s) or elective courses.

YEAR 3

In your third year, you study mathematical computation, and modelling and differential equations. You also choose to focus on mathematical modelling for either business, or health and biology. You also complete a research or industry project in an area related to mathematical modelling and computation. This project gives you an important competitive edge for your career, and is good preparation for postgraduate study. You also take the final courses for your second major, minor(s) or elective courses.

Career opportunities

- Actuary
- Control buyer/purchasing agent
- Environmental or health modeller
- Industrial engineering scientist/consultant
- Market and financial analyst
- Mathematician
- Research analyst and associate
- Secondary teacher¹

1. After an additional year of teacher training



Diploma in Computer and Information Sciences

Scan this QR code for course details and where this qualification could lead you.



Interested in computing? Start your university studies with our Diploma in Computer and Information Sciences. It's another way into AUT; perfect if you're not sure what to expect from uni or from studying computing, or missed out on getting into your dream degree. You'll take the same courses as our first-year bachelor's degree students, and become familiar with different computing subjects in a supportive environment with additional academic and student support. It's a great way to try university and gain a qualification in one year. Once you've completed your diploma you can then move into Year 2 of the Bachelor of Computer and Information Sciences, which means you can still complete your chosen bachelor's degree in three years.

Entry requirements

Minimum entry requirements

- University Entrance OR
- 42 NCEA credits at Level 3, including UE literacy and numeracy, with:
 - 10 credits in each of three approved subjects, OR
 - 12 credits in each of two approved subjects and 14 credits across two further subjects

English language requirements

IELTS (Academic) 5.5 overall with a minimum of 5.5 in writing and a minimum of 5.0 in other bands, or equivalent.

What this qualification covers

You'll explore programming, computer networks, IT project management, database design and other computing subjects, and improve your academic knowledge and study skills to give you the confidence for further study.

The courses you study are from the first year of the Bachelor of Computer and Information Sciences. After you've completed this diploma, you can then cross-credit your courses and transfer to the second year of the Bachelor of Computer and Information Sciences. Your diploma courses can also help you decide which subjects you might like to focus on later once you move into our bachelor's degree. We will work with you to help you identify where you want to go and what courses will help you get there.

Further study

- Bachelor of Computer and Information Sciences

Because you study the same first-year courses as our bachelor's degree students, you can move into the second year of the Bachelor of Computer and Information Sciences once you've completed this diploma.

DipCIS | AK2006

QUICK FACTS

Level	5
Points	120
Duration	1 year full-time, part-time available
Campus	City
Starts	3 March & 21 July 2025

Diploma in Engineering

Scan this QR code for course details and where this qualification could lead you.



Want a career in engineering, but not sure what to expect from uni or from doing an engineering degree? Our Diploma in Engineering is another way into AUT and your dream degree. You'll take the same courses as our first-year bachelor's degree students, and study in a supportive environment with additional academic and student support. It's a great way to try university, explore different engineering subjects and gain a qualification in one year. Once you've completed your diploma you can then move into Year 2 of the Bachelor of Engineering Technology or Bachelor of Engineering (Honours), which means you can still complete your chosen bachelor's degree in three or four years.

Entry requirements

Minimum entry requirements

- University Entrance OR
- 42 NCEA credits at Level 3, including UE literacy and numeracy, with:
 - 10 credits in each of three approved subjects, OR
 - 12 credits in each of two approved subjects and 14 credits across two further subjects

English language requirements

IELTS (Academic) 5.5 overall with a minimum of 5.5 in writing and a minimum of 5.0 in other bands, or equivalent.

What this qualification covers

You'll become familiar with fundamental engineering concepts, sustainable engineering design and the mathematics to solve engineering problems. You'll also develop your academic knowledge and study skills to give you the confidence for further study.

The courses you study are from the first year of the Bachelor of Engineering (Honours) or Bachelor of Engineering Technology. After you've completed this diploma, you can then cross-credit your courses and transfer to the second year of one of our engineering degrees. Your diploma courses can also help you decide which subjects you might like to focus on later once you move into our bachelor's degree. We will work with you to help you identify where you want to go and what courses will help you get there.

Further study

- Bachelor of Engineering (Honours)
- Bachelor of Engineering Technology

Because you study the same first-year courses as our bachelor's degree students, you can move into the second year of our engineering degrees once you've completed this diploma.

DipEng | AK2005

QUICK FACTS

Level	5
Points	120
Duration	1 year full-time, part-time available
Campus	City
Starts	3 March & 21 July 2025

Graduate Diploma in Science Graduate Certificate in Science

Scan this QR code for course details and where these qualifications could lead you.



1 2



3

1 Discussing a student project in the Biomechanics and Biomechatronic Design Lab 2 Antenna measurement in the anechoic chamber 3 The AUT City Campus is in the heart of central Auckland 4 Students testing a drone's avionics system 5 Explore future employment opportunities and network at the ICT and Engineering Career Fair 6 You'll have access to modern computing labs in WZ building 7 Students collaborate on the design of medical devices

Gain advanced expertise and knowledge in mathematical sciences through study at graduate diploma and graduate certificate level. These qualifications are aimed at professionals, including secondary school teachers, who want to update their knowledge of current technologies and applications of mathematical sciences.

Entry requirements

Minimum entry requirements

- A bachelor's degree OR
- Relevant professional qualification or experience approved by the dean (or representative) to be equivalent to a bachelor's degree

English language requirements

IELTS (Academic) of 6.5 overall with all bands 6.0 or higher; or equivalent.

What these qualifications cover

Graduate diploma

You choose courses from the Bachelor of Science to make up a total of 120 points. At least 75 points must be at level 7. You can include 30 points from any other bachelor's degree (with the approval from your programme leader).

Graduate certificate

You choose courses from the Bachelor of Science to make up a total of 60 points. At least 45 points must be at level 7.

Graduate Diploma in Science GradDipSc | AK1042

QUICK FACTS

Level	7
Points	120
Duration	1 year full-time, part-time available
Campus	City
Starts	3 March & 21 July 2025

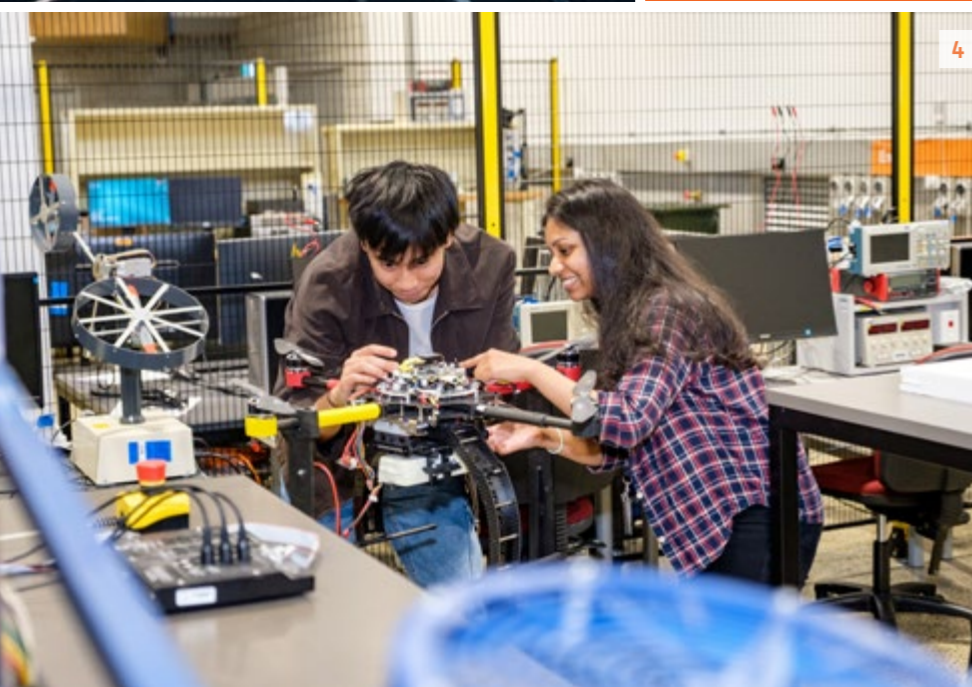
Graduate Certificate in Science GradCertSc | AK1043

QUICK FACTS

Level	7
Points	60
Duration	½ year full-time, part-time available
Campus	City
Starts	3 March & 21 July 2025

Career opportunities

These programmes prepare you for postgraduate study in your chosen field or to advance your career.



4



5



6



7

Graduate Diploma in Computer and Information Sciences

Graduate Certificate in Computer and Information Sciences

Scan this QR code for course details and where these qualifications could lead you.



Develop a sound technical understanding of computing and information technology with the Graduate Diploma and Graduate Certificate in Computer and Information Sciences. Throughout your studies you gain the ability to plan, develop and apply appropriate technologies and tools to frame and solve computing problems.

Entry requirements

Minimum entry requirements

- A bachelor's degree OR
- Relevant professional qualification or experience approved by the dean (or representative) to be equivalent to a bachelor's degree

English language requirements

IELTS (Academic) of 6.5 overall with all bands 6.0 or higher; or equivalent.

What these qualifications cover

Graduate diploma

You choose courses from the Bachelor of Computer and Information Sciences to make up a total of 120 points. At least 75 points must be at level 7. You can include 30 points from any other bachelor's degree (with the approval from the programme leader).

Graduate certificate

You choose courses from the Bachelor of Computer and Information Sciences to make up a total of 60 points. At least 45 points must be at level 7. You can include 15 points from any other bachelor's degree (with the approval from the programme leader).

Graduate Diploma in Computer and Information Sciences

GradDipCIS | AK3698

QUICK FACTS

Level	7
Points	120
Duration	1 year full-time, part-time available
Campus	City
Starts	3 March & 21 July 2025

Graduate Certificate in Computer and Information Sciences

GradCertCIS | AK3756

QUICK FACTS

Level	7
Points	60
Duration	½ year full-time, 1 year part-time
Campus	City
Starts	3 March & 21 July 2025

Career opportunities

These programmes prepare you for careers in a wide range of fields in computing and information technology.





Scan this QR code for more details about postgraduate programmes.

Overview of postgraduate qualifications

AUT is Aotearoa New Zealand's fastest growing postgraduate study destination. We offer a wide range of postgraduate programmes to help you achieve your goals and progress your career. Our world-leading academics are research-active experts at the forefront of their disciplines, and our research centres and networks give you access to transformational research projects.

All study areas

Master of Philosophy

The Master of Philosophy is a one-year research-only master's degree. It gives you the opportunity to undertake a research project of an applied or professional nature, under the supervision of AUT staff. It can also serve as a pathway to more advanced research at doctoral level.

Doctor of Philosophy

The Doctor of Philosophy (PhD) is a thesis-based research degree that leads to advanced academic and theoretical knowledge in a specialist area. It's the highest qualification offered at a university. It enables you to make an original contribution to understanding in your chosen field, and meet recognised international standards for such work. You work closely with a supervisor to prepare a thesis, which is then examined by independent experts applying contemporary international standards.

Engineering

Postgraduate Diploma and Postgraduate Certificate in Engineering

These coursework-based qualifications are for students who want advanced study in mechanical, electrical or electronic engineering. They can serve as a pathway for Bachelor of Engineering Technology graduates who want to progress to the Master of Engineering.

Master of Construction Management

The Master of Construction Management has been developed in partnership with construction industry leaders to meet the demand for professionals who can manage modern construction projects. It's aimed at construction professionals including engineers, quantity surveyors and architects.

Master of Engineering

The Master of Engineering is designed to develop your research skills and enhance your knowledge in a specialised area of engineering. You build on the knowledge from your undergraduate degree and have the opportunity to undertake a research project. You can choose between two pathways: research pathway (includes a thesis) or coursework pathway (includes a research project).

Master of Engineering Project Management

The Master of Engineering Project Management provides an exciting career opportunity for practising engineering project managers aspiring to senior positions, and equips recent graduate engineers with business and project management skills for modern engineering companies.

Computer and Mathematical Sciences

Postgraduate Diploma and Postgraduate Certificate in Computer and Information Sciences

These coursework-based qualifications include courses from the Master of Computer and Information Sciences. Courses focus on advanced analytical, planning and critical thinking skills, broadening your knowledge within specialist fields of computer and information sciences. The programmes can serve as a pathway to further study at master's level.

Postgraduate Diploma and Postgraduate Certificate in Science

These coursework-based qualifications include courses from the Master of Science. Courses cover advanced knowledge and skills in applied mathematics, analytics or applied probability. The programmes can serve as a pathway to further study at master's level.

Master of Analytics

The Master of Analytics addresses the global demand for professionals who can help organisations organise, store and manipulate data. It caters for students from a variety of disciplines, as well as professionals already working in the industry. Courses cover advanced analytics and database skills and the latest theory and techniques for statistical modelling and mathematical simulation.

Master of Computer and Information Sciences

The Master of Computer and Information Sciences is for those looking to advance their undergraduate qualification, improve their career opportunities, or explore a specialist area of interest. The master's thesis, a significant research project, is at the heart of the programme. You develop the skills and judgement to manage and lead teams of information and communication technology professionals. The programme can serve as a pathway to further study at doctoral level.

Master of Cyber Security and Digital Forensics

The Master of Cyber Security and Digital Forensics is designed for people interested in protecting computer systems and recovering evidence from compromised systems. Courses cover the skills to secure systems from attackers and analyse storage media including computer hard drives, solid state drives and networks.

Master of IT Project Management

With the Master of IT Project Management you gain the skills to design, implement and manage software development projects throughout their life cycle. You develop project management skills in planning, team facilitation, risk and change management for IT projects. Practical components like the Research and Development Project will give you opportunities to apply what you learn in class to the real world.

Master of Science

The Master of Science focuses on original research in applied mathematics, analytics, applied probability, modelling or astronomy. You work with researchers active in your chosen field and write a thesis on a topic of current research interest within the field of computer and mathematical sciences.



Whakauru where wānanga

UNIVERSITY ENTRANCE

University admission to AUT bachelor's degrees

For New Zealand citizens and residents, and international students studying in a high school in New Zealand

To gain admission to bachelor's degrees, you must have met the requirements for University Entrance plus any specified admission requirements for a programme, such as specific subjects and interviews.

For more information on entry requirements, including entry requirements for international students visit aut.ac.nz/entryrequirements

Admission categories

You may be granted University Entrance under one of the following categories:

- NCEA University Entrance
- Ad Eundem Statum admission (at an equivalent level) – this includes Cambridge International Examinations (CIE) and International Baccalaureate Diploma Programme (IB)
- Discretionary Entrance
- Special Admission

Visit aut.ac.nz/entryrequirements to find out more details about these admission categories.

Common University Entrance requirements

Where programmes require a specific subject, it is expected that a student will have achieved a minimum of 14 NCEA credits in that subject (or equivalent), unless indicated otherwise. For a list of NCEA approved subjects for University Entrance visit the NZQA website, nzqa.govt.nz

	NCEA	CIE	IB ³
Overall	Require NCEA level 3 certificate which consists of 80 credits, including at least 60 credits at level 3 or higher. Can include up to 20 credits at level 2. Note: Credits to achieve NCEA level 3 may include unit standards from non-approved subjects. Subject credits Total of 42 level 3 credits including: • 14 credits from one approved subject • 14 credits from a second approved subject • 14 credits from a third approved subject	A minimum of 120 points on the New Zealand CAIE Tariff ¹ at A or AS level from an approved list (equivalent to NCEA approved subject list). Must include at least three subjects (excluding Thinking Skills) with grades D or above.	IB Diploma with minimum 24 points
Numeracy	At least 10 level 1 (or higher) numeracy credits (can be achieved through a range of subjects)	A minimum grade of D in IGCSE ² mathematics or any mathematics subject at AS or A level.	Any mathematics subject – IB Group 5
Literacy	Total of 10 level 2 (or higher) literacy credits including: • 5 reading credits • 5 writing credits From specific standards in a range of NZQA English language rich subjects	A minimum grade of E in English Language and/or English Literature subject at AS or A level.	Literature or language and literature (SL or HL) – IB Group 1, with English as the language

1. NZ Tariff (based on old UCAS Tariff) = system which converts AS and A level grades into points.
2. IGCSE = International General Certificate of Secondary Education.
3. New Zealand residents who have taken IB but have not been awarded the Diploma may apply for discretionary entrance.

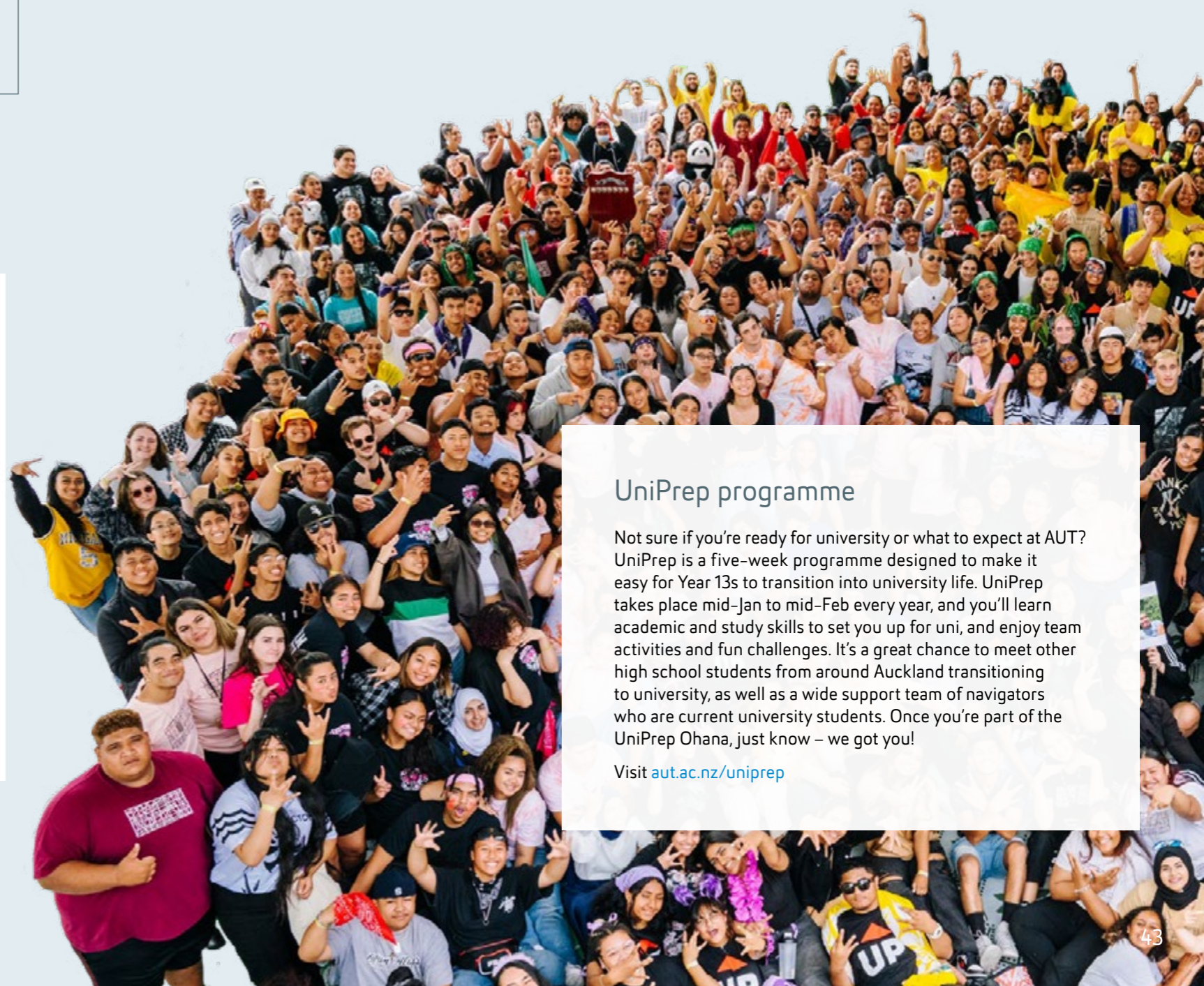
English language requirements

If you don't have English as your first language, you may have to show evidence of your English language skills. Visit aut.ac.nz/englishrequirements for details about English language testing and recognised English tests.

International students

Contact us for information regarding studying at AUT if you're not a citizen or permanent resident of New Zealand or Australia, or a citizen of the Cook Islands, Niue or Tokelau islands.

Visit aut.ac.nz/int/entryrequirements for entry requirements for specific countries. If you have any questions, you can contact us at aut.ac.nz/enquire



UniPrep programme

Not sure if you're ready for university or what to expect at AUT? UniPrep is a five-week programme designed to make it easy for Year 13s to transition into university life. UniPrep takes place mid-Jan to mid-Feb every year, and you'll learn academic and study skills to set you up for uni, and enjoy team activities and fun challenges. It's a great chance to meet other high school students from around Auckland transitioning to university, as well as a wide support team of navigators who are current university students. Once you're part of the UniPrep Ohana, just know – we got you!

Visit aut.ac.nz/uniprep

Ngā utu whakauru, ngā karahipi FEES & SCHOLARSHIPS

Cost is an important factor when thinking about university study. This page gives you an idea of the approximate tuition fees at AUT, and different options to help you fund your education including scholarships, student loans and allowances.

To give you an idea of approximate costs, the 2024 tuition fees are shown below (based on full-time study and completing 120 points per year). All fees are in NZ dollars and include GST. The 2025 tuition fees will be advertised on aut.ac.nz/fees as soon as they have been set. You may also need to pay additional fees for course materials or elective courses (check with your faculty if there are additional fees for your programme).

Domestic student tuition fees

First-time domestic students are entitled to one year of fees free.

Undergraduate programmes

Fee (per year): \$4,218 (for 60 points) –
\$10,607 (for 120 points)¹
(\$3,645 – \$9,461 tuition fees
+ \$573 – \$1,046 student services levy)

¹ Part-time students pay a proportion of the fee based on the number of academic points they are studying.

International student tuition fees

Undergraduate programmes

Fee (per year): \$19,573 (for 60 points) –
\$46,146 (for 120 points)
(\$19,000 – \$45,000 tuition fees
+ \$573 – \$1,146 student services levy)

Please note that you must pay your fees in full by the date specified on your fees invoice.

To find out more about fees call **+64 9 921 9779** or **0800 AUT AUT** (0800 288 288).

Free fees for your university study¹

Eligible domestic students starting tertiary education may receive one year of full-time study fees-free. To check if you're eligible for fees-free study visit aut.ac.nz/fees

Student loans and allowances¹

If you're a full-time domestic student, you may qualify for a student loan or allowance. Student loans and allowances are administered and paid by StudyLink. The application process can take some time, so it's a good idea to apply early. You can apply for a student loan or student allowance before your enrolment at AUT is complete.

To find out more call **0800 88 99 00** or visit studylink.govt.nz

¹ Domestic students only, not available to international students.

Financial assistance

We know that sometimes things happen and financial stress can impact your academic success. That's why we offer financial support that ranges from offering grocery or fuel vouchers, to helping with that unexpected bill.

StudyLink

Visit studylink.govt.nz for tools, tips and information to help you plan and understand the costs you will have while studying.

Scholarships and awards

Scholarships and awards are a great way to fund your university study. There is a wide range of scholarships and awards available to AUT students at all stages of their study including the Welcome to Auckland scholarship and Find Your Greatness scholarship (details below).

Visit the scholarships website for a full current list of scholarships offered by AUT and external funders, as well as application forms and closing dates. You can also contact AUT's Scholarships Office for advice on scholarships, awards and the scholarship application process.

2025 AUT Welcome to Auckland Scholarships

Because we recognise the challenges students may face when moving to Auckland, AUT's three-year Welcome to Auckland scholarships make a contribution towards students' accommodation and study fees. These scholarships recognise high-achieving secondary school students living outside of Auckland who intend to enrol in bachelor's degree study commencing in 2025.

2025 AUT Find Your Greatness Scholarships – School Leaver

AUT's Find Your Greatness undergraduate scholarships for school leavers reflect our commitment to creating great graduates. These three-year scholarships recognise students' academic achievement, as well as students' potential leadership ability and contribution to their school or community, cultural pursuits or sport at a representative level.

The Find Your Greatness scholarships are offered in the four categories below for study commencing in 2025:

- Academic Excellence
- All Rounder
- Hiki Ake (Lift Up)
- Kiwa (Māori and Pacific students)

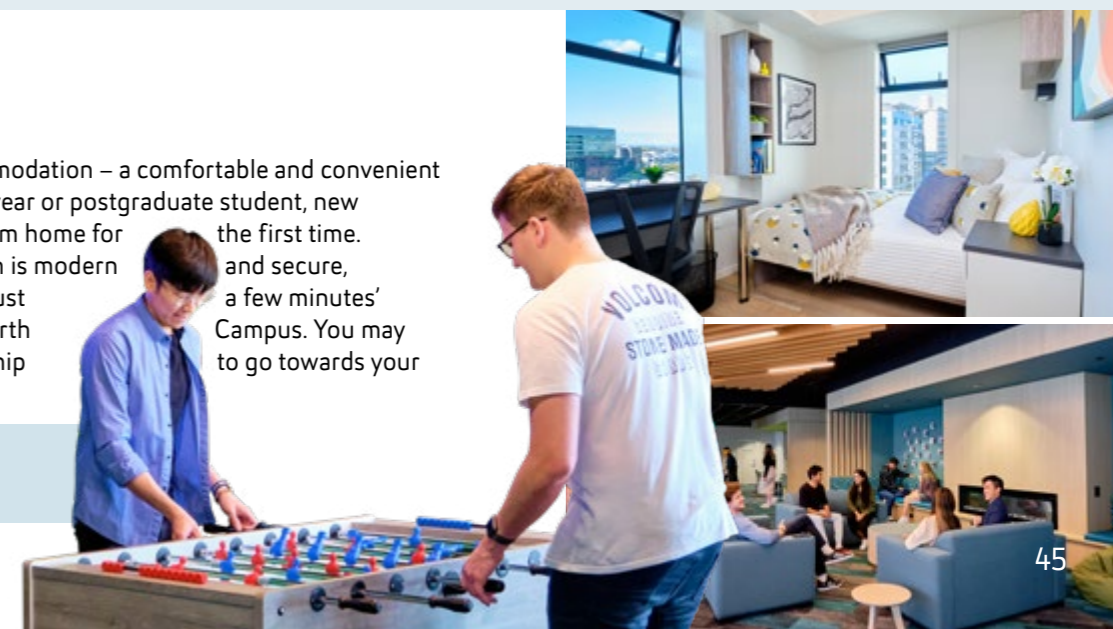
Applicants will be considered in all categories for which they are eligible.

To find out more call **+64 9 921 9837** or visit aut.ac.nz/scholarships

Accommodation

Check out our student accommodation – a comfortable and convenient option whether you're a first-year or postgraduate student, new to Auckland, or living away from home for the first time. AUT's student accommodation is modern and secure, offering a social community just a few minutes' walk away from our City or North Campus. You may even be eligible for a scholarship to go towards your accommodation costs.

Visit aut.ac.nz/accommodation



He pēhea te tono HOW TO APPLY

Below is the step-by-step guide to the application process.
For more information visit aut.ac.nz/apply

1 APPLY EARLY

Places are limited. Submit your application well before the semester starts.

APPLYING FOR 2025

- Semester 1
– apply by 2 December 2024
- Semester 2
– apply by 5 May 2025

2 COMPLETE THE APPLICATION FORM

- Apply online
- Indicate your programme(s) of choice and major (if known)

International students can also apply using an AUT approved international agent. For a list of AUT registered agents visit aut.ac.nz/international-agents

SUBMIT YOUR APPLICATION

WE ACKNOWLEDGE YOUR APPLICATION

- We will send you an acknowledgment email, which explains how to check the status of your application
- We will contact you if we need more information

WE ASSESS YOUR APPLICATION

- We assess your application to ensure you have met the entry criteria for the programme(s) you are applying for
- We consider your academic history and relevant experience to ensure you can succeed in your programme
- We let you know if your application has been successful

POSSIBLE OUTCOMES

CONFIRMED We would like to offer you a place to study at AUT

PROVISIONAL You have met some of the criteria for entry to your chosen programme of study and we would like to offer you a provisional place to study at AUT. If you don't meet the rest of the requirements, then this offer will be withdrawn

CONDITIONAL You have to meet the conditions and approvals listed in your conditional offer to be able to secure a formal offer of place

DECLINED If you don't meet the entry requirements or all places are taken, we may offer you an alternative programme

3 ACCEPT YOUR OFFER

It's important that you respond as soon as possible, particularly if you've been offered a place in a programme with limited places.

Once you've accepted your offer of place, we'll let you know how to enrol in the courses for your programme, and you can start to get excited about joining AUT.

Ready to apply?
apply.aut.ac.nz

Ētahi atu kōrero
FIND OUT MORE



aut.ac.nz

Need some help?

Visit aut.ac.nz/enquire, ask us your question and we'll call you back. Or you can phone **0800 AUT AUT** (0800 288 288) to speak to one of our friendly advisors. We can help with any questions you may have, and you could also book a course counselling session or a campus tour.

Campuses

City Campus
55 Wellesley Street East, Auckland Central

North Campus
90 Akoranga Drive, Northcote, Auckland

South Campus
640 Great South Road, Manukau, Auckland

Connect with us now:



AUT LIVE

Join us at our open day, AUT LIVE, on the City Campus and see everything AUT has to offer to help you make an educated decision about university study.

aut.ac.nz/live





0800 AUT AUT (0800 288 288)

Auckland University of Technology

Auckland, New Zealand

aut.ac.nz

Enquire now

aut.ac.nz/enquire

Connect with us now:



This booklet is printed on Satin matt paper which is certified to the Forest Stewardship Council® (FSC®) standard as an FSC Mix paper from well managed forests and other responsible sources.

We print using BIO-inks that contain materials that are based on renewable resources including wood resin (rosin, colophony), and vegetable oils, linseed oil and soybean oil and the printing company is FSC certified.