AUT

TE WĀNANGA ARONUI O TĀMAKI MAKAU RAU

ENGINEERING, COMPUTER & MATHEMATICAL SCIENCES

UNDERGRADUATE PROGRAMME GUIDE
2026

TOP 100
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 kawe 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 symbolises the far-reaching impact AUT has on students, their whānau, society and the world. The ripples represent this impact, while beneath them lies a modern Poutama pattern, symbolising the support and guidance AUT provides to students on their educational journey. A traditional Poutama design on the back connects to the front, reflecting the foundational role of Te Ao Māori in supporting and enhancing 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 2024.

Image 4 on page 3 by Jason Mann. Image on page 39 by Simon Devitt Photographer.

AUT LIVE
THE MOST OPEN DAY
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
30 AUG 2025

Ngā ihirangi
CONTENTS

WHY STUDY AT AUT?

1 & 2 To practise what you've learnt you'll have access to industry-standard equipment and spaces to collaborate with your classmates   3 The City Campus is in the heart of the Auckland CBD   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 100 universities under 50 years of age 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.

As a modern and innovative university, we offer you endless opportunities, and a supportive culture that celebrates diversity. Here, you are at the heart of everything we do. At AUT, you'll find some of the most comprehensive student support services in New Zealand, designed in collaboration with our students. We'll support you to build friendships, develop life skills, achieve academically, and have amazing experiences both inside and outside the classroom.

The best start for your uni journey

Starting university life is exciting and perhaps a little daunting, regardless of your stage in life. With our wide-ranging support services, orientation programmes at the start of each semester, and multiple opportunities to meet new friends and follow a passion or hobby, you'll transition smoothly.

Student Hub

Our professionally qualified staff, including social workers and occupational therapists, are ready to support our diverse student community. The Student Hub is your go-to for navigating student life at AUT, providing the support you need from when you apply to after you graduate.

Your home away from home

As a student you'll spend most of your time on campus, whether you're based at an AUT campus in the City, South Auckland or the North Shore. Each campus has its own vibe, and all are connected by shuttle buses or public transport. You'll find everything you need right here, including medical centres, gyms and recreation centres, free and confidential counselling, programmes to develop your self-knowledge and resilience, and community-specific services to make you feel comfortable and safe. Our campuses are monitored 24/7 by our security team.

Your place for support

AUT celebrates diversity and is committed to Te Tiriti o Waitangi with passion, curiosity and pride. We're committed to supporting the aspirations of our Māori and Pacific whānau. We were the first New Zealand university to appoint a full-time rainbow community coordinator, and are proud to be a Pride Pledge university. We support equity of access and opportunity for students, staff and visitors, and follow the principles of Kia Ōrite: Code of Practice for an inclusive tertiary environment that enables disabled, Deaf and neurodivergent students to achieve fully. As an AUT student you can access our specialised community support services, including LGBTTQIA+, disabled and Deaf, high-performance athlete, international, Māori and Pacific student support. The AUT Student Association (AUTSA) advocates and represents your interests, and shares student voices through Debate magazine.

Achieve your academic goals

Our goal is to help you achieve your academic dreams and set you up for a successful career. Our library and learning services support includes learning advisors, workshops, assessment advice appointments, tailored postgraduate research support and tools like Studiosity to help you ace your assessments. At AUT you'll find everything you need for your studies, including computer labs, printers, IT support, free wifi on campus, the full Microsoft 365 suite, LinkedIn Learning and remote access to AUT computers for specialist software. To make sure financial difficulty doesn't get in the way of your academic achievements, our support also extends to help with food or transport vouchers, rent and living expenses, and even laptops and data packages if you experience financial hardship.

A vibrant uni experience

We want you to make the most of university life, have fun and grow during your time with us. Choose from over 90 student-led social, sustainability, cultural and academic clubs, or perhaps start your own. Participate in social sports, represent AUT through University Tertiary Sport (UTSNZ) and if you're an elite athlete get the support you need while you compete internationally. Make the most of our state-of-the-art sports facilities at AUT Millennium, on-campus gyms at every campus, and a swimming pool and courts for tennis, volleyball, basketball and other sports at the South Campus. Our Te Āhuru Recreation Centre at the City Campus also has a sports court, dance and exercise studios, flexible spaces for clubs to meet, and large spaces to gather and share food.

Beyond learning and into employability

Our services and award programmes help you become a well-rounded graduate ready to succeed in New Zealand and the world, and support your career after you graduate. Attend employer presentations, events, and workshops throughout the year, and use our four graduate job boards, including for international career options. Develop sought-after skills through volunteering, leadership and employability activities with the AUT Edge and Beyond AUT Awards, or access funding and mentoring through AUT Ventures Limited to commercialise your AUT research. You can also study overseas as part of your degree at one of AUT Global's partner universities around the world.
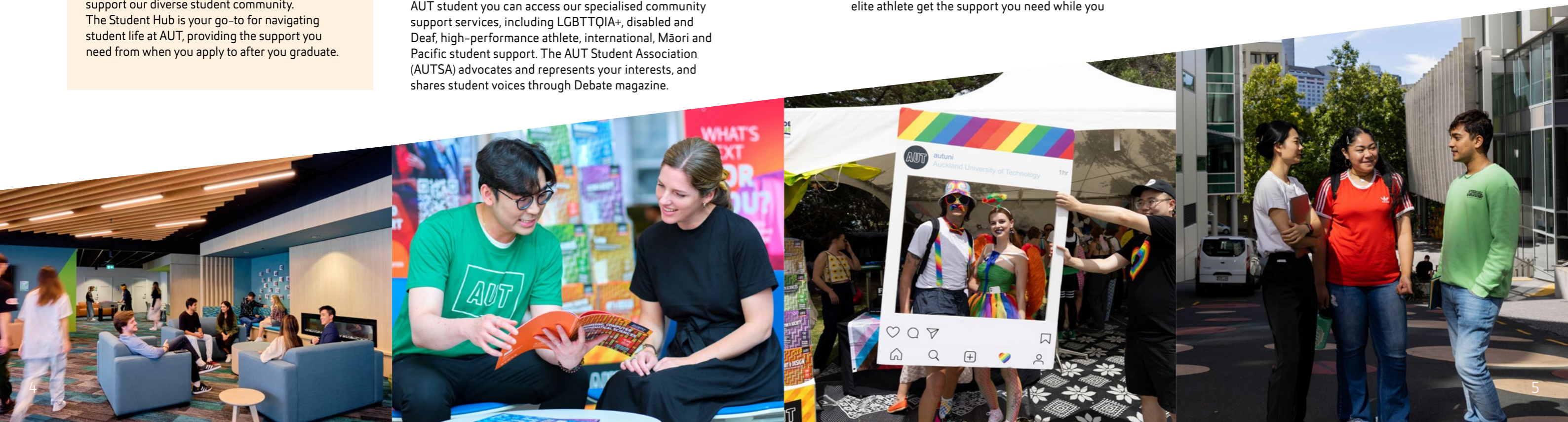
Bachelor of Engineering (Honours)
Overview

BEng(Hons) | AK3751

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.

QUICK FACTS

Level	8
Points	480
Duration	4 years full-time, part-time available
Campus	City[1]
Starts	23 Feb & 13 July 2026

Entry requirements

Minimum entry requirements

University Entrance or equivalent including:

- **NCEA:** At least 14 level 3 credits in each of Calculus and Physics
- **CAIE:** 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 CAIE 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 Certificate in Science and Technology (see page 33) or Diploma in Engineering (see page 35).

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

"At any one time I could be working on multiple projects, large and small, as well as being involved in multiple market sectors, primarily property and buildings, but also for the water, transport, power and energy, digital and advisory sectors. I've had the privilege of leading multi-million dollar and multi-disciplinary teams for complex projects, and I treasure the learnings from the diverse group of people I meet on the job or in the industry. As AUT graduates we're highly regarded for our practical approach to solutions, our ability to apply common sense to complex real-world issues, our ability to communicate with and present to a wide spectrum of stakeholders, and – most importantly – our emphasis on the people aspects when interpreting technical problems."

Steven Wang
Building Services Team Leader, GHD Ltd
Bachelor of Engineering (Honours) in Mechanical Engineering (First Class)

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)	Elective 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)	Engineering Management (15 PTS)	Major course (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 Mathematics II (15 PTS)	Major 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.

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 (Naval Architecture and 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.

"I met some amazing friends during my time at AUT, and had some great lecturers who helped me realise the full potential of an engineering degree and all the possible directions it could take me. That helped me discover my passion for embedded engineering and shape my engineering career into what it has become today. On a day-to-day basis, I now develop embedded software. This involves varied tasks ranging from bare-metal coding to building software for complex safety critical software systems for the automotive industry, while also collaborating with controls and hardware engineering teams. I get to see how my work is being used in the real world and go 'I wrote the software that makes that work!'"

Sophie Hergot
Embedded Software Engineer, Turntide Technologies,
Newcastle upon Tyne, United Kingdom
Bachelor of Engineering (Honours) in Electrical and Electronic Engineering

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Bachelor of Engineering (Honours)
Architectural Engineering

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 Jasmax. 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.
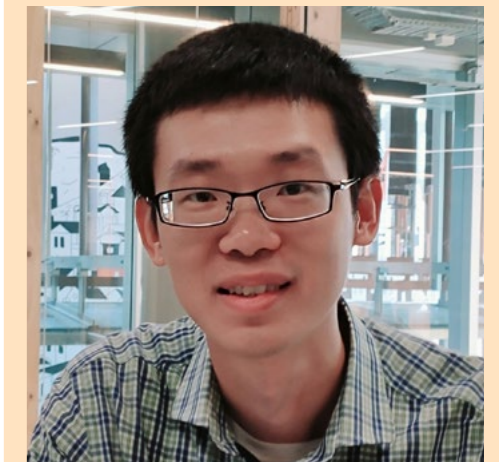
"What I enjoyed the most were the resources and opportunities AUT provides to all its students. We were doing teamwork from the first year and I met some of my best friends in life through this. We accomplished many great projects that I still benefit from after graduating. I also had access to some of the most advanced design tools and library resources, and our lecturers were happy to spend hours after class to answer students' questions. In my role now I'm responsible for creating building structures that are up to standard. I like that my work is creative as every project is different. It feels good to provide solutions to solve any problems our designers and builders may have."

Yu Zhou
Structural Engineer, Dreamcast Group
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

"The deciding factor for me was the more hands-on, relevant, project-based teaching philosophy that AUT promotes. Our final-year industry project was one of the highlights of my time at AUT. It felt rewarding that we had finally got to the stage where we, as a team, could produce a report and a design. That was essentially getting a taste of all the different engineering consultancy sectors in one university project. Another highlight for me was how helpful and insightful my lecturers were, especially in my last two years when I had lecturers who are specialists in the structural engineering sector; a sector I had an interest in."

Liam Morell
Graduate Structural Engineer,
Building Structures, WSP
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 systems 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 engineering[1]. 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 Tasmania[1] where you study one of these majors: 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

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

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

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

- Automation engineer
- Process engineer
- Robotics engineer
- AI engineer
- Systems engineer
- Biomedical engineer
- Embedded systems engineer
- R&D engineer
- Design engineer
- Project management roles

"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

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

QUICK FACTS

Level	7
Points	360
Duration	3 years full-time, part-time available
Campus	City
Starts	23 Feb & 13 July 2026

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
- **CAIE:** 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 Certificate in Science and Technology (see page 33) or Diploma in Engineering (see page 35).

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
	Electrical Engineering Fundamentals — 15 PTS	Major course — 15 PTS	Major course — 15 PTS
	Introduction to Sustainable Engineering Design — 15 PTS	Major course — 15 PTS	Optional course — 15 PTS
	Major course — 15 PTS	Major course — 15 PTS	Optional 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	Optional course — 15 PTS
	Programming Concepts and Techniques — 15 PTS	Major course — 15 PTS	Specialisation Project — 30 PTS
	Engineering Mathematics I — 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
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

"I picked AUT because I wanted to study somewhere with a more practical approach. My sense of understanding comes heavily from being able to see what is happening in front of me, rather than from only theoretical learning. The labs that were offered at AUT helped deepen my understanding of what we were learning. In my role now, I'm heavily involved in draughting and modelling the lighting and power systems, and drawing details for the electricians and builders to follow, but I've also been involved with draughting mechanical and hydraulics systems. I work closely with architects, clients, project managers, civil engineers, structural engineers and fire engineers to create buildings that comply with the New Zealand building requirements."

Sasha Walker
BIM/Graduate Electrical Engineer, 22 Degrees
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've always been drawn to how things work or interact together. Of all the engineering subjects, studying mechanical engineering made the most sense for me. When I was deciding where to study, being based in Auckland was a large drawcard, and AUT's reputation as a more practical university was also a big factor for me. At AUT I've been able to challenge myself mentally and prove to myself that I can achieve what I put my mind to. The support and infrastructure behind learning has also been great, with computers and wifi available on campus, study areas, accurate and easy-to-access timetabling, and the support from the Employability and Careers team who will analyse your CV and cover letters."

Matthew Eaton
3rd-year student, Bachelor of Engineering
Technology in Mechanical Engineering

Bachelor of Computer and Information Sciences
Overview

BCIS | AK3697

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 Certificate in Science and Technology (see page 33) or Diploma in Computer and Information Sciences (see page 34).

QUICK FACTS

Level	7
Points	360
Duration	3 years full-time, part-time available
Campus	City
Starts	23 Feb & 13 July 2026

IT Professionals NEW ZEALAND

DEGREE ACCREDITED BY
IT PROFESSIONALS NEW ZEALAND

"I originally decided to study programming because I liked the game design aspect, however there are many other ways computer science enables you to leave a meaningful impact in a rapidly growing world. I was passionate about a career as a data scientist or data analyst. This field is still growing, the jobs vary and the work is impactful. If you're into the field of computer science, I'd say AUT definitely has many knowledgeable experts in the field, and has the resources to assist your studies and projects. I particularly enjoyed our Research and Development project in my final year. My group wrote an academic paper about our project, which got accepted by the IEEE CSDE 2023 conference in Fiji."

Connor Winiata
Ngāti Ranginui
Data and AI Graduate, Fonterra
Bachelor of Computer and Information Sciences in Data Science

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
	Mathematics for Computing — 15 PTS	Flexible component — 15 PTS	Flexible component — 15 PTS
SEMESTER 2	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 27 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

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
Computer Science

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 applications 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.

Career opportunities

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

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'm now enrolled in AUT's Master of Analytics."

Monalisa Verma
Master of Analytics 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

"I opted for AUT because of its diverse culture, its practical approach to learning and the vibrant student life; making it an ideal environment for my academic journey. It encourages students to want more, strive for greatness and excel in whatever they believe in. I chose to study the Bachelor of Computer and Information Sciences because of my longstanding interest in computer games and the potential of technology. I decided to minor in business management as it goes hand in hand with my computer science degree and contributes towards my ultimate career choice of becoming a project manager within a tech firm, specifically aiming for a role that involves helping Pacific communities."

Jordan Christian Saimasi-Mika
3rd-year student, Bachelor of Computer and Information Sciences in Digital Services with a minor in Business Management

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

"In my home country Papua New Guinea, the information communications technology sector is less developed than that of many of its peers in the region. I knew that studying networks and cybersecurity would equip me with the skills to be involved in the design, operation and maintenance of networks and systems in my country. AUT offers an outstanding programme for computer and information sciences. Because it offers state-of-the-art facilities and strong academic staff, AUT continues to deliver exceptional support to its students to ensure they receive the best education. I find great satisfaction in my role now because it allows me to ensure the smooth operation and reliability of IT infrastructure."

Kilakupa Marryanne Gulo-Vui
Graduate Engineer, Vodafone,
Port Moresby, Papua New Guinea
Bachelor of Computer and Information
Sciences in Networks and Cybersecurity

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 made a lot of friends during my time at AUT, especially in my final-year research and development project. We were creating an AUT bus app and everyone was really passionate about what they were doing. The best thing about my career now is that I can integrate whatever systems are being used by the business and link all of them together to have data flow seamlessly throughout all these systems. One of the achievements I'm most proud of in my career so far is building and designing the entire company's IT infrastructure, which included warehousing, retail and the day-to-day activity of retail staff in the company's 120 retail stores across New Zealand."

The Ton (Tony) Le
System Integration Manager,
Brittain Wynyard Co Ltd
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	23 Feb & 13 July 2026

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

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 you complete in your third year where you can gain practical experience related to your chosen science subject.

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.

	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.

"I've found data fascinating for as long as I've been aware of what it is. The process of looking at an impossibly large pool of messy information and trying to find reasonable assumptions invokes a certain sense of discovery in me. Studying analytics felt like a natural continuation of my fascination with data. One of the things that surprised me was how much I ended up enjoying minoring in geospatial science. I found the questions we worked on very engaging and the environment was fun. Once I finish my studies, I want to work as a data analyst, perhaps related to geospatial science or machine learning, depending on what I enjoy most by the time I graduate."

Sam Loebl
1st-year student, Bachelor of Science in Analytics with minors in Data Science and Geospatial Science

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 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

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 inference 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

"Being able to work on data analytics projects as part of my degree is something I've particularly enjoyed. I've been able to take raw data and transform it into meaningful insights. This led me to learn many coding languages, including Python, Java, C and R. Combining maths, coding and real–world applications has kept me motivated and excited throughout my studies. Once I graduate, my goal is to work in a finance company as a data analyst. I'm excited about analysing trends, risks and performance metrics in the financial sector, which generates large amounts of data. I'm especially interested in using data to assist companies in making well–informed financial decisions and refining their strategies."

Mirasha Fernando
2nd–year student, Bachelor of Science in Analytics with a minor in Data Science

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 teacher[1]

1. After an additional year of teacher training

"I've loved gaining hands-on, practical experience during my studies, which I believe will be invaluable for my future career. It's one thing to learn theories in a classroom, but applying them in practical situations has deepened my understanding and boosted my confidence. I've also appreciated the support of the teaching team. My goal is to work in the financial crime risk and forensics industry. I'm drawn to the field of financial crime risk and forensics because it offers an opportunity to solve complex problems and make a meaningful impact by protecting organisations and individuals from fraud. My main goal for my future career is to make a positive impact and use my skills to contribute to society."

Kenneth Atmadja
1st-year student, Bachelor of Science in Mathematical Modelling and Computation & Networks and Cybersecurity Certificate in Science and Technology

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Certificate in Science and Technology
Overview

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

This one-year certificate gives you an introduction to the main areas involved in studying engineering, computing or mathematics. Courses cover mathematics, programming, physics, statistics, engineering science and academic literacy. It's a great pathway to gain a taste of university life and develop the knowledge and study skills for further study at bachelor's level.

Entry requirements

Minimum entry requirements

- Completion of Year 12
- **NCEA**: 48 level 2 credits or higher, plus eight level 1 credits in at least one subject from Art History, Business Studies, Classical Studies, Drama, Economics, English, Geography, Health Education, History, Media Studies, Physical Education, Social Studies, Te Re Māori or Te Reo Rangatira
- **CAIE**: 60 points on the UCAS Tariff

Useful New Zealand school subjects

Calculus, Mathematics, Physics, Statistics

English language requirements

IELTS (Academic) 5.5 overall with all bands 5.0 or higher; or equivalent.

What this qualification covers

There are three pathways:

- Computing – leading to the Bachelor of Computer and Information Sciences
- Engineering – leading to the Bachelor of Engineering (Honours) and Bachelor of Engineering Technology
- Mathematics – leading to the Bachelor of Science

The courses you study in this certificate will prepare you to then start your studies in your chosen bachelor's degree. You'll develop your academic writing and study skills, and can choose from a range of course related to engineering, computing or mathematics. We'll work with you to identify where you want to go and which courses will help you get there.

Further study

Students who complete this programme successfully can apply for bachelor's degrees in engineering, computer and mathematical sciences.

CertScT | AK1311

QUICK FACTS	
Level	4
Points	120
Duration	1 year full-time
Campus	City & South
Starts	23 Feb & 13 July 2026

"The diverse community and supportive culture have 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. The workload in the engineering degree can be exponential sometimes, but AUT is providing a wide range of support. I also appreciate that the AUT lecturers are willing to do one-on-one meetings to discuss projects and help me move in the right direction. Once I graduate, I'd like to be part of an organisation that values change and creates positive impact for communities. I'm always fascinated by how quickly technology can change society for the better and tackle long-term problems."

Daniel Lip
4th-year student, Bachelor of Engineering (Honours) in Software Engineering Certificate in Science and Technology

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	23 Feb & 13 July 2026

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	23 Feb & 13 July 2026

Graduate Diploma in Science
Graduate Certificate in Science

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

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.

1 & 4 Our interactive classes make it easy to collaborate with your classmates and lecturers 2 Students working on the design of medical devices 3 Opportunities to apply what you've learnt are an important part of our programmes 5 The ICT and Engineering Career Expo is a great place to network with employers 6 You'll have access to modern computing labs in our Ngā Wai Hono (WZ) building

Graduate Diploma in Science
GradDipSc | AK1042

QUICK FACTS

Level	7
Points	120
Duration	1 year full-time, part-time available
Campus	City
Starts	23 Feb & 13 July 2026

Graduate Certificate in Science
GradCertSc | AK1043

QUICK FACTS

Level	7
Points	60
Duration	½ year full-time, part-time available
Campus	City
Starts	23 Feb & 13 July 2026

Career opportunities

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

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	23 Feb & 13 July 2026

Graduate Certificate in Computer and Information Sciences
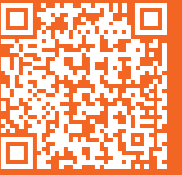GradCertCIS | AK3756

QUICK FACTS

Level	7
Points	60
Duration	½ year full-time, 1 year part-time
Campus	City
Starts	23 Feb & 13 July 2026

Career opportunities

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

The 'Treehouse' in WG building on AUT's City Campus

Overview of postgraduate qualifications

Scan this QR code for more details about postgraduate programmes.

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.

University admission to AUT bachelor's degrees

University admission to AUT bachelor's degrees

If you're a New Zealand citizen or resident, or an international student studying in a New Zealand high school, you must meet the requirements for University Entrance to gain admission to bachelor's degrees, plus any additional requirements for your chosen programme such as specific subjects and interviews.

Admission categories

You may be granted University Entrance under:
- NCEA University Entrance
- Ad Eundem Statum admission (at an equivalent level) – this includes Cambridge Assessment International Education (CAIE) and International Baccalaureate Diploma Programme (IB)
- Discretionary Entrance
- Special Admission

To find out more about entry requirements, including entry requirements for international students, scan the QR code on the opposite page.

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? Taking place over five weeks in January and February every year, UniPrep is designed to ease you into university life and ensure you get the best possible start. Expect to advance your study skills, make lifelong friends, take part in team activities, find out where to get support for your studies and complete your first university course. Once you're part of our UniPrep whānau, just know – we got you!

Visit aut.ac.nz/uniprep

NCEA university entrance

You must achieve all of the below

Level 3 (60 credits)	UE Literacy	Numeracy
Within the 60 credits, you need to at least achieve the below		
14 credits in approved subject 1	5 Reading credits (Level 2 or 3)	10 Numeracy credits at Level 1, 2 or 3
14 credits in approved subject 2		
14 credits in approved subject 3	5 Writing credits (Level 2 or 3)	
18 credits from any Level 3 standards		

To find out more visit www2.nzqa.govt.nz/ncea/understanding-secondary-quals/university-entrance

Getting UE through CAIE or IB? Here's what you will need:

CAIE		
120 points on the New Zealand CAIE Tariff at A or AS level in any subjects that are broadly equivalent to NCEA approved subjects	E or above in English Language, Language and Literature in English or Literature at AS or A level	D or above in IGCSE or GCSE Mathematics, or any mathematics subject passed at AS or A level
D or above in at least 3 different subjects (excluding Thinking Skills)		

IB[1]		
IB Diploma with a minimum 24 points	Literature or language and literature (SL or HL) – IB Group 1, with English as the language	Any mathematics subject – IB Group 5

1. New Zealand residents who have taken IB but have not been awarded the diploma may apply for discretionary entrance.

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 2025 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 2026 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

Undergraduate programmes

Fee (per year):	$4,460 (60 points)–$11,221 (120 points)[1]
	($3,864–$10,029 tuition fees + $596–$1,192 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):	$20,396 (60 points)–$47,992 (120 points)
	($19,800–$46,800 tuition fees + $596–$1,192 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).

Student loans and allowances[1]

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

Free fees for your university study[1]

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

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.

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.

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 2026.

StudyLink

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

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 2026:

- 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
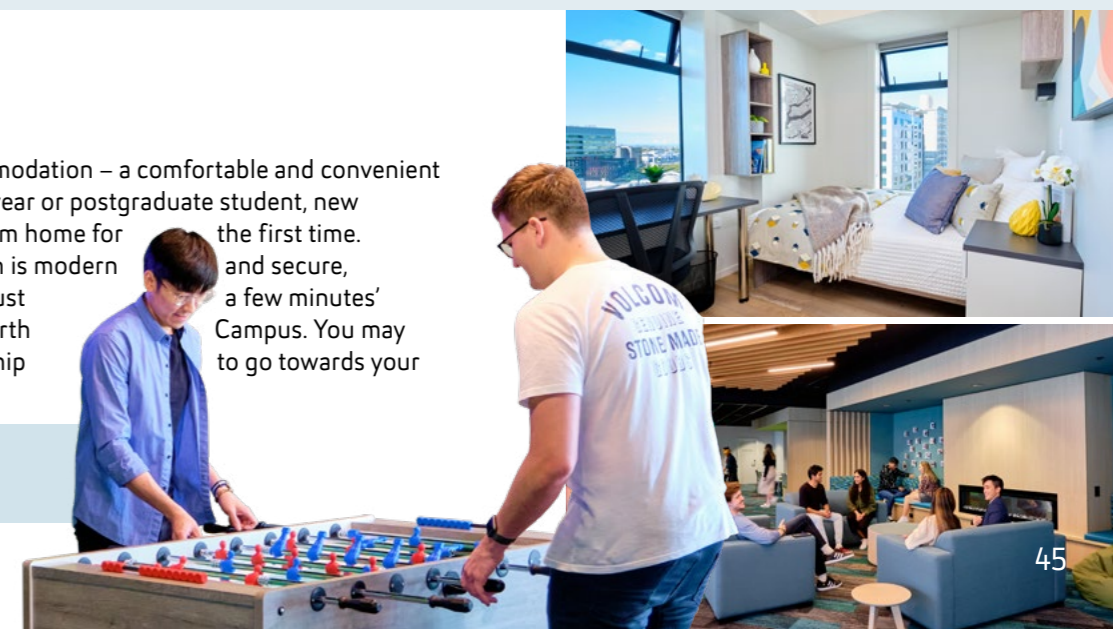
HOW TO APPLY

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 2026

- Semester 1
  – apply by 1 December 2025
- Semester 2
  – apply by 4 May 2026

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

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.

Connect with us now:

Campuses

City Campus
55 Wellesley Street East, Auckland Central

North Campus
90 Akoranga Drive, Northcote, Auckland

South Campus
640 Great South Road, Manukau, Auckland

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

AUT

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: