



VOCATIONAL
PATHWAYS

TOI-OHOMAI
Institute of Technology

Manufacturing & Technology Courses

Architecture
Automotive
Computing
Engineering
Information Technology
Trades & Technical



TOI-OHOMAI

Institute of Technology

Kia ora and welcome to Toi Ohomai Institute of Technology

**Our name means to aim high and achieve great heights -
to be awakened by learning**

We believe that your success is the key to the success of our whole region. That's why we're here to help make your dreams a reality.

Our five main campuses are located throughout the beautiful Bay of Plenty and South Waikato - in Rotorua, Taupō, Tauranga, Tokoroa and Whakatāne. We also have 86 extra delivery sites dotted across our region and almost 200 courses to choose from, including 25 courses which can be completed online. All of this makes it easy for more than 13,000 students to study with us every year.

This guide highlights all of the Toi Ohomai courses in the Manufacturing and Technology Vocational Pathway - preparing for industries like architecture, information technology, automotive, engineering, and project management. If you're keen to use tools, machinery or computers to create, maintain and transform materials or data, we're confident you'll find something here to inspire you.

Join us for your learning journey and let's discover your true potential!

CONNECT

info@toiohomai.ac.nz

0800 86 46 46

toiohomai.ac.nz





95%

Employers say our qualifications prepare students for their future needs

93%

Graduates use the skills and knowledge gained during their study in their job

91%

Students are satisfied with their course

84%

Students are employed soon after course completion

Disclaimer: Every effort has been made to ensure the information contained in this Vocational Pathway booklet is accurate at the time of printing in July 2018. However, no liability can be accepted for any errors or omissions or views expressed herein, and information is subject to change. Toi Ohomai Institute of Technology reserves the right to cancel or change the content, timing, method or place of delivery of any course.

YOU'RE WELCOME HERE

Education is for everyone – we currently have students from 15 through to 82 and every age in between! Whether you're straight out of school, heading in a new direction, need to upskill to move up the career ladder, or just love a new challenge, you've come to the right place. Every member of our Toi Ohomai team is here to help you succeed. You'll also get plenty of opportunities to chill out and socialise with other students – there's heaps of fun stuff to do on campus.

How to Apply



STEP 1: SEND US YOUR APPLICATION

You can apply online at toiohomai.ac.nz, in person at one of our campuses, or over the phone by calling one of our friendly team on 0800 86 46 46.



STEP 2: WE'LL BE IN TOUCH

We'll let you know if you need to come in for an information session or interview (this is a requirement for some courses, but not for others). This is your opportunity to find out more about the course and check that it's the best fit for you, and allows us to make sure you meet the entry requirements. If you don't need to come in, you'll skip to Step 3.



STEP 3: COMPLETE YOUR PAPERWORK

Complete your Study Agreement and associated paperwork, including your legal identification. If you're a domestic student, we'll encourage you to contact StudyLink now to make sure you receive any payments you're entitled to. If you need help with your StudyLink application, we can step you through it.



STEP 4: RECEIVE YOUR ACCEPTANCE LETTER

Once we receive your completed Study Agreement and supporting documentation, you will receive an acceptance letter.



STEP 5: PAY YOUR FEES

Ensure your fees have been paid before your course starts (if paying via StudyLink, make sure you complete your StudyLink application before your course starts).



STEP 6: RECEIVE YOUR FIRST DAY LETTER

Your First Day letter has all the information you'll need to help you settle in.

START STUDYING AT TOI OHOMAI

Welcome, it's great to have you with us!

WHY TOI OHOMAI IS A GREAT CHOICE

You're not just a number

Our smaller class sizes make learning easier and more engaging, helping you connect with your teachers and other students. We also offer loads of free support to suit your needs – research and writing tips, maths tutorials, tikanga Māori guidance and more!

Real-life applied learning

Our students learn by doing, so you'll get plenty of valuable practical experience in the field you've chosen. All of our courses are aligned with industry needs to make sure you'll have a relevant qualification you can use to reach your goals.

Build your network

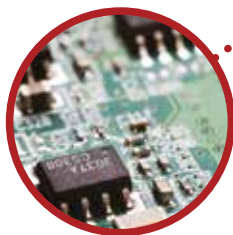
More than 75% of our students spend part of their course undertaking work placements. This will give you the chance to impress potential employers and make valuable connections for the future.

An exceptional team

Our passionate teachers are among the best in New Zealand – award-winning academic and industry leaders from an array of vocational fields. Prepare to be blown away by our team's dedication and enthusiasm; we all want you to succeed!

Impressive facilities

We offer high quality teaching spaces, multi-sport recreational centres and outdoor areas, healthy smoke-free campuses, and convenient low-cost student accommodation.



Flexible study options

Nervous about giving up your job? Check out our range of part-time and online courses, which may allow you to keep working while you're studying.

Easy pathways to further study

In addition to all the Toi Ohomai degrees we offer, several of our diplomas also pathway directly into degrees offered by the University of Waikato (UoW) in Tauranga. This gives you the option to complete a diploma course, with all the benefits featured on this page, and then cross-credit what you've learnt to complete a UoW degree without having to leave this region.

Experienced and future-focused

Toi Ohomai is only a few years old, but our origins lie in our two legacy institutions – Bay of Plenty Polytechnic and Waiariki Institute of Technology. These respected tertiary providers merged in 2016 to better cater for the needs of our region, resulting in one of New Zealand's largest tertiary institutes, Toi Ohomai Institute of Technology.

STANDARD ACADEMIC ADMISSION REQUIREMENTS

These are the minimum academic requirements for Toi Ohomai courses based on their New Zealand Qualifications Authority (NZQA) level. Some courses may specify additional requirements, including domestic and international IELTS requirements, so please check the entry criteria for the course you are interested in or contact our Information Centre for assistance.

Certificate (Levels 1-3)

Domestic and international students are required to provide evidence of ability to complete academic requirements

Certificate (Level 4)

Domestic and international students will normally be required to have:

- NCEA Level 2 with passes in English/Te Reo Māori or education achievement at least equivalent to NCEA Level 2; or
- evidence of ability to complete academic and any other course requirements

Certificate or Diploma (Levels 5-7)

Domestic students under 20 years of age and all international students must have:

- NCEA Level 2 with passes in English/Te Reo Māori or education achievement at least equivalent to NCEA Level 2, and a minimum of 42 credits at Level 3; or
- evidence of ability to complete academic requirements for the course

Bachelor's Degree (Level 7)

Domestic students under 20 years of age and all international students must:

- meet the University Entrance criteria as specified by NZQA or have education achievement at least equivalent to NZQA University Entrance. Where an applicant did not attend schooling in New Zealand, the

relevant equivalent to University Entrance will be considered on a case-by-case basis; and

- meet all course entry requirements; or
- provide evidence of ability to complete academic and other requirements (special admission requirements)

Domestic students over 20 years of age:

- students who do not hold a University Entrance qualification or equivalent may be eligible for admission to a bachelor's degree course subject to any entry and selection requirements specified in the respective course regulations and must provide evidence of their ability to complete academic requirements

Graduate Certificate or Graduate Diploma (Level 7)

All students (domestic and international) must:

- have completed an undergraduate degree in any discipline; or
- have completed a minimum of a two-year diploma equivalent to NZQA Level 7 or higher in a related discipline; or
- be able to demonstrate at least three years' equivalent relevant practical and/or professional experience (a curriculum vitae must be submitted detailing relevant work experience and professional achievements)

Postgraduate Certificate or Postgraduate Diploma (Level 8)

All students (domestic and international) must:

- have completed a graduate certificate, graduate diploma or a bachelor's degree in a related subject recognised by Toi Ohomai; or
- be able to demonstrate at least five years' equivalent relevant practical and/or professional experience; and
- provide evidence of ability to complete academic and other requirements (special admission requirements)

Master's Degree (Level 9)

All students (domestic and international) must:

- have completed a bachelor's degree, bachelor's degree with honours, or a postgraduate diploma in a related subject recognised by Toi Ohomai; or
- be able to demonstrate at least five years' equivalent relevant practical and/or professional experience; and
- provide evidence of ability to complete academic and other requirements (special admission requirements)

Special Admission

- a) where applicants do not meet all entry requirements, they may gain special admission if Toi Ohomai is satisfied the applicant is capable of meeting the academic requirements and where literacy and numeracy skills are sufficient to meet health and safety requirements
- b) no domestic student under the age of 16 years may be admitted for any course unless permission has been granted by the Principal of the school at which the student is enrolled or the student has been exempted from attending school by a designated officer of the Ministry of Education. Any such student must also demonstrate ability to be able to achieve at the level of tertiary study they plan to study.

Additional Requirements for International Students

In addition to meeting the course entry requirements, international students must:

- have evidence of receipt of an appropriate visa; and
- be over 18 years of age (applicants between the ages of 14 and 18 years will only be accepted after an assessment of the student's support systems has been made)
 - a) international students must demonstrate their ability to meet the English language requirements of the course in which they enrol, including any professional requirements for English capability
 - b) unless otherwise specified in the course regulations, the English language requirements for students who come from non-English speaking backgrounds are those equivalent to:

Qualification Level	L3	L4	L5	L6	L7	L8 and Above
IELTS	General or Academic score of 5 with no band score lower than 5	General or Academic score of 5.5 with no band score lower than 5	Academic score of 5.5 with no band score lower than 5	Academic score of 6 with no band score lower than 5.5	Academic score of 6 with no band score lower than 5.5	Academic score of 6.5 with no band score lower than 6

- a) other approved English language tests may be used to demonstrate that the English standard is met
- b) exemptions from proof of English language proficiency criteria will comply with NZQA rules
- c) Toi Ohomai reserves the right to test students for English language proficiency at any time during their enrolment. Test results will be used to determine additional support requirements, where it is identified that students need additional support.

NEED A JUMP-START?

Are you thinking about tertiary education but don't meet the entry criteria? Or perhaps you're interested in a trade, but can't decide between engineering, automotive or carpentry?

Our bridging courses will give you the confidence, knowledge and skills to succeed in higher level study. They can also help you choose the right career pathway.

GETTING STARTED

		Rotorua	Tauranga	Taupo	Tokoroa	Whakatāne	Other
New Zealand Certificate in Skills for Living for Supported Learners (Level 1)	1 year	•	•				
New Zealand Certificate in Foundation Skills (Level 2)	1 trimester	•	•	•	•	•	•
New Zealand Certificate in Foundation Skills (Level 2) – Trades	1 trimester	•	•	•	•	•	•
New Zealand Certificate in Study and Career Preparation (Level 3) – Study and Career; Police and Services	1 trimester	•	•	•	•	•	•
New Zealand Certificate in Study and Career Preparation (Level 4)	1 trimester	•	•	•	•	•	

Courses are subject to sufficient demand at each location.

FINANCIAL INFORMATION

Fees Free – what it means

The first year of a tertiary course or the first two years of industry training are now fees free for school leavers and for anyone else who has completed less than half a year of tertiary study.

General 'fees free' criteria:

- NZ citizen or resident of any age
- less than six months' previous tertiary study at Level 3 or higher
- for full-time or part-time study
- if students don't use all their 'fees free' allocation in the first year (i.e. if they are part-time or start studying mid-year), they can use the remainder the following year
- usually covers tuition fees and compulsory costs – living costs and some other costs are not included

Visit www.feesfree.govt.nz and enter your National Student Number (NSN) to check if you qualify.

Please note that most of our Level 1 and 2 courses are fees free for all domestic students.

Financial Assistance

Make sure you check out all of the financial assistance available to you such as:

- scholarships (ask our Information Centres or click on the Student Services tab at toiohoma.ac.nz)
- student loans and allowances (ask our Information Centres or visit www.studylink.govt.nz)

YOUTH PATHWAYS



Secondary Tertiary Programmes

(STAR, Trades Academy and Gateway)

These programmes give secondary school students free access to selected Toi Ohomai courses while they are still at school. Students can use the credits gained in this programme towards a Level 1, 2 or 3 qualification and can also earn Vocational Pathway endorsements. Contact the careers advisor at your school for more information. Places are limited and conditions apply.



SmartPaths

Year 12 and 13 students can access the SmartPaths programme in a variety of ways, depending on your location and area of interest. Some students enjoy a one-day experience at one of our campuses, while others take a year-long Toi Ohomai course conveniently taught at their school, allowing them to learn new skills in areas like horticulture, automotive, marine studies and sports leadership. Contact the careers advisor at your school for more information.



Student for a Day

Trying to decide what to study? If you're a senior student and you want to experience a particular course first-hand to help you make your decisions, try our Student for a Day programme. Complete the online form on our website under Secondary School Services. This programme is only available at our Windermere Campus in Tauranga.



Fees Free through Youth Guarantee

Struggling with school? Youth Guarantee programmes are fees free for students aged 16 to 19. Learn practical skills and get on the pathway to your chosen career. Places are limited and conditions apply.



Māori and Pasifika Trade Training

Te Ara Poutama – SkillME improves employment opportunities for Māori and Pasifika learners aged 16 to 40 by providing fees free tailored education and training and possible entry into an apprenticeship. The scheme offers mentoring and support throughout the training and employment-seeking process, and assistance with goal-setting and work readiness preparation. Places are limited and conditions apply.

CAMPUS SERVICES

We provide some pretty amazing campus services at student prices!

- aquatic, fitness and recreation centres
- automotive workshops
- beauty and hair salons
- cafés
- childcare centres
- computer services team, computer labs and Wi-Fi – all free for student use
- copy centres

Watch out for term time treats from the hospitality students too – serving up a selection of tasty delights from their own pop-up cafés.

Not all services are available at all campuses. Please ask our Information Centre if you'd like to know more.

Academic Assistance

Our learning facilitators are always available to offer advice and advocacy services to help you reach your academic goals. Topics include:

- academic writing
- computing support
- essay and report writing
- library support
- mathematics
- referencing
- study skills
- time management
- online learning resources

Careers Services

Choosing a career pathway that best reflects your passion, skills and strengths can sometimes be a daunting process. Our careers team offer online and face-to-face services across all of our campuses to support you on your journey.

Equity Support Services

Our equity facilitators are keen to ensure you get all the help you need to succeed at Toi Ohomai. They offer:

- advocacy and advice
- ergonomic equipment
- exam and test support
- note-taker support

Health Care

The health care team provides a range of free and subsidised health services at our Rotorua and Tauranga campuses. Discretion is always assured.

- counselling services
- first aid
- health education and awareness
- mental health and community support services
- onsite nurses
- onsite physiotherapy
- sexual health services
- quit smoking support
- stress management

Māori Cultural Support

Traditional Māori pōhiri are important ceremonies that welcome new students to our campuses. At Mokoia Campus, in Rotorua, pōhiri are held at our own Tangatarua Marae. Windermere Campus, in Tauranga, features the Pomare wharenuī, as well as a Kōhanga Reo childcare facility.

Prayer Facilities

Prayer rooms are available 24 hours a day, seven days a week, at Tauranga's Bongard Centre, and the Mokoia and Windermere campuses.

VOCATIONAL PATHWAYS

The following pages provide information about all the Toi Ohomai courses in the Manufacturing and Technology Vocational Pathway.

It is one of the six Vocational Pathways designed by the government to help identify the type of job you would like and the subjects and courses you'll need to take to reach your goals.

Vocational Pathways also provide a framework to demonstrate the value of

your education to the workforce, aligning your learning to the skills required by each of the six industry sectors.

If you have no idea what job or career you want to pursue, the Vocational Pathway tools can also demonstrate how your strengths and interests relate to a wide range of job and study options. To get started, visit www.youthguarantee.net.nz and try the Profile Builder.





MANUFACTURING & TECHNOLOGY

From hands-on production and assembly, to cutting-edge research and design, this industry covers a wide range of options. You'll be working indoors most of the time, using tools, machinery or computers to produce one-off or mass produced products.

Technology and engineering offer some of the most exciting, varied and rewarding careers. These jobs will enable you to make new discoveries, work with creative, like-minded people, and make a practical difference to the world around you. Skill shortages exist throughout this sector, resulting in great job prospects with appealing rates of pay.

**ARE
YOU...**

Practical,
Inventive,
Logical,
a Problem Solver,
Entrepreneurial,
Analytical,
Hands-on,
Tech Savvy,
Detailed?



Courses are subject to sufficient demand at each location.

You might be working with huge lumps of metal, or delicately assembling component parts so small that you can't even see them - like nanotechnology. You might be fabricating, installing, fixing, or maintaining systems; or doing a job that involves lots of thinking, planning, and calculations. Some roles are highly creative; many are methodical, detailed and precise. There is usually a very clear end point to the job you're doing and you'll know exactly what part you played in it.

Ref: www.youthguarantee.net.nz



ARCHITECTURE

New Zealand Diploma in Architectural Technology (Level 6)

Duration	Study Option	Locations	Credits
2 years	Full-time	Tauranga	240

Recommended school subjects: Maths, English, Graphics, Science, Geography

Do you love buildings and would like to be involved in the design process, creating something that future generations will enjoy? The construction industry is booming and needs more architectural technicians to design all the new buildings that our growing population needs. This practical course develops efficient technical drafting skills – focusing on what is and isn't important across a broad range of projects – which means our graduates are highly prized by employers.

You'll learn how to communicate effectively between an architect and a builder, producing the vital set of legal plans each construction project depends on. Topics include building materials, construction methods, legislation, design principles, working drawings, hand drawing and CAD drawing, tender processes, building feasibility, and building services, with a huge focus on the 3D BIM software programme ArchiCAD.

This will prepare you for a diverse range of roles as an architectural technician, CAD technician, draftsman, building certifier, or building inspector. If you're an accurate, detail-oriented person who loves graphics and discussing ideas with people, this is the course for you.

Graduate Diploma in Building Information Modelling*

Duration	Study Option	Locations	Credits
1 year	Full-time	Tauranga	120

CAD for Architectural Drawing 1 (Level 3)

Training Scheme

Duration	Study Option	Locations	Credits
1 year	Part-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	20

*Pending approval

Training Schemes not eligible for student loans or allowances

INFORMATION TECHNOLOGY

New Zealand Certificate in Computing (User Fundamentals) (Level 2)

Duration	Study Option	Locations	Credits
13 weeks	Full-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	40

This free⁺ course is designed to improve your basic computing skills and digital literacy. You might be planning to enter or return to the workforce, or simply want to keep up with technology and meet and learn with others.

You'll use a range of software tools and applications, which are freely available online, to create and share digital content such as images, audio and video. We'll show you how to use Google Drive and Docs to create, store and share documents. You'll learn how to build a simple website using Google Sites. You'll also learn about basic troubleshooting and personal cyber-safety.

This course will help you to pursue entry-level computing positions, such as a junior IT technician or an office assistant, across a range of industries.



⁺ Free for domestic students only

New Zealand Certificate in Computing (Intermediate User) (Level 3)

Duration	Study Option	Locations	Credits
1 trimester	Full or Part-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions; online (TANZ)	60

Recommended school subjects: Digital Technology

This course is designed to expand your existing computer knowledge. You'll gain intermediate-level skills using a range of common digital tools and technologies to produce and process information.

You get lots of hands-on experience using different features, functions and settings across various digital devices to create, access, organise, present and store information and data. You also learn how to create solutions to meet specific requirements, and how to fix common hardware and software problems. Other topics include workstation essentials, practical communication, and design basics.

This will equip you to start working in office administration or data entry, or increase your effectiveness if you are already working in this type of role. Graduates can also use this course as a stepping stone to higher-level qualifications.



If a course is offered part-time or full-time, the duration listed here is the full-time equivalent.

TANZ – Tertiary Accord of New Zealand eCampus course. TANZ is a joint venture between several of New Zealand's leading tertiary institutions, including Toi Ohomai, sharing knowledge and resources to improve community access to quality education.

New Zealand Certificate in Information Technology Essentials (Level 4)

Duration	Study Option	Locations	Credits
1 trimester	Full or Part-time	Rotorua, Tauranga, online (TANZ)	60

Recommended school subjects: Digital Technology

This course will equip you with basic knowledge of computer hardware, operating systems, applications and networks, so you can kick-start your IT career.

You'll learn about the main components of a computer; the way they interact; their assembly, disassembly and maintenance; how to troubleshoot common problems; various operating systems; end-user security; and internet-based services. You'll also be introduced to computational thinking and basic programming, and web design essentials.

This will prepare you for entry-level support roles across a range of business, retail and IT settings.

New Zealand Certificate in Information Technology (Level 5)

Duration	Study Option	Locations	Credits
1 trimester	Full or Part-time	Rotorua, Tauranga	60

Recommended school subjects: Digital Technology

Start or build on your training with this one-trimester course and get a taste of the exciting career options available in IT. You'll learn a range of core skills in hardware, networking, programming, web development and business.

This introductory knowledge will equip you to work as an entry-level IT technician or in a support role, to suit a range of business computing needs.

Extend your skills by continuing your studies, or get some work experience and return to higher-level study at a later date. By taking your studies further, you'll be able to specialise in networking and support, software development, or web design and development – all areas which are desperate for graduates.



If a course is offered part-time or full-time, the duration listed here is the full-time equivalent.

New Zealand Diploma in Information Technology Technical Support (Level 5)

Duration	Study Option	Locations	Credits
1 year	Full or Part-time	Rotorua, Tauranga	120

Recommended school subjects: Digital Technology

If you enjoy practical work involving computer hardware and other technology, this course will help take your IT career further. This course has a strong focus on technical support. You learn how to identify issues and find solutions to a wide range of user problems.

You'll learn more about the core concepts of IT – especially hardware, operating systems, database administration and networking. You'll learn how to construct and manage a database, and build a network in a multi-user environment.

This will equip you to work as a computer technician, help desk or technical support officer, entry-level network administrator, entry-level network engineer, or applications support analyst.

New Zealand Diploma in Web Development and Design (Level 5)

Duration	Study Option	Locations	Credits
1 year	Full or Part-time	Rotorua, Tauranga	120

Recommended school subjects: Digital Technology

Web development and design is big business around the world and this course will help take your IT career further. You'll learn in-depth skills in interface design, web design, and human computer interaction (studying how people interact with computers, and how to design interfaces that humans find easy to use).

You'll learn how to build a content management system and apply quality assurance techniques to test your systems. By the end of the course, you'll be able to write basic programmes and develop websites in preparation for entry-level web developer or software tester roles. You'll also be able to customise software solutions or work in graphic design.

Extend your skills by continuing your studies, or get some work experience and return to higher-level study at a later date.

If a course is offered part-time or full-time, the duration listed here is the full-time equivalent.



New Zealand Diploma in Networking (Level 6)

Duration	Study Option	Locations	Credits
1 year	Full or Part-time	Rotorua, Tauranga	120

Recommended school subjects: Digital Technology

This one-year course is perfect if you want to move into a more advanced network technician or support role. You'll gain skills in configuring, maintaining and monitoring networks. You'll also learn how to scale up a network, design an upgrade, and integrate communication technologies into computer systems. Research the latest technologies and then apply your skills and knowledge by building a system which solves a business problem.

Network security and professional standards are important themes covered in the course. You'll also learn about the legal and ethical issues involved in network and database administration.

You'll be able to work as an IT technician, on a service or support desk, as an entry-level network administrator, or as a network engineer. Extend your skills by continuing your studies, or get some work experience and return to higher-level study at a later date.



If a course is offered part-time or full-time, the duration listed here is the full-time equivalent.

New Zealand Diploma in Software Development (Level 6)

Duration	Study Option	Locations	Credits
2 years	Full or Part-time	Rotorua, Tauranga	240

Recommended school subjects: Digital Technology

Do you want to learn how to develop apps, websites and online games? This course will help you improve your existing skills by learning how to write programmes using design patterns, data structures and algorithms to meet specifications.

You'll learn about current and emerging technologies so you can apply your knowledge to solve technological issues in the workplace, such as designing and building a complex system and a website. You'll also learn how to add security protocols, use quality assurance techniques, and write software documentation.

With software development specialists in very short supply, the skills you gain during this course will help you step up your career prospects as an entry-level developer or tester. This diploma ends with a 30-credit project to showcase the skills you've developed over the two years. This is the start of your professional portfolio, which you can show off to potential employers.

Students who have already completed the New Zealand Diploma in Web Development and Design (Level 5) can finish this course in just one year.

Our pathway programme also gives graduates the option to cross-credit this Level 6 course as the first and second year of the University of Waikato Bachelor of Science (Applied Computing), which can be completed in Tauranga.



An IT class at school helped Rhiannon Rogers find the perfect fit for her creative and analytical personality.

Rhiannon embarked on both the Level 5 and Level 6 Toi Ohomai computing diplomas, and is now continuing the unique pathway by studying the third and final year of her Bachelor of Science (Applied Computing) through the University of Waikato.

"Doing the Toi Ohomai diplomas was an amazing opportunity, to be able to make the sorts of things other people could potentially use in their everyday lives. I love the analytical and investigative aspects of IT; it's essentially a virtual art form that encompasses many innovative solutions to everyday problems."

Rhiannon Rogers

If a course is offered part-time or full-time, the duration listed here is the full-time equivalent.



Bachelor of Science (Applied Computing)

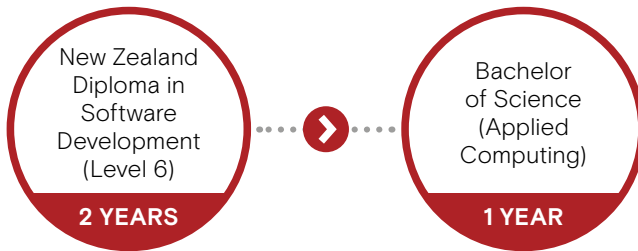
Duration	Study Option	Locations	Credits
3 years	Full-time	Tauranga	360

Recommended school subjects: Digital Technology

Get the best of both worlds – complete the New Zealand Diploma in Software Development (Level 6) through Toi Ohomai, and then do just one more year of study to gain this University of Waikato degree.

You'll learn about software systems, web applications and development, how people and computers interact, and how to ensure information systems work well and are easy to use. Throughout the degree, you'll continuously put your learning into practice via hands-on, practical projects.

This will prepare you for roles such as web developer, information technology manager, IT helpdesk or support technician, systems administrator, software developer, business analyst, IT architect, user experience designer, or test analyst.



Bachelor of Applied Information Technology

Networking and Technical Support; Software Development; Web Design and Development

Duration	Study Option	Locations	Credits
3 years	Full or Part-time	Rotorua, Tauranga	360

Recommended school subjects: Digital Technology

Want to start a career in advanced IT, or step up your computing skills? This course focuses on three key areas of employability – networking and technical support, software development, and web design and development. You'll have the option to specialise and major in one of these fields of expertise, or you can opt for a broad qualification with no specialisation.

Our applied learning approach means you'll continuously put into practice what you learn through hands-on, practical projects, and you'll work with real industry clients to help solve a range of IT issues in the workplace.

Depending on your specialisation, you could be building apps, websites, cloud-based services, content management systems, or complex systems integrating a range of technologies. You might create your own website themes and plugins, or set up a firewall security system.

You can take these new skills and knowledge into a wide range of careers, working as a network or security specialist, programmer, software engineer, or web designer or developer.



With his parents both working in the computer science industry, an IT career seemed a natural fit for Sahil Chahal. The Bachelor of Computing, Communications and Technology graduate is now working as an assistant software developer with Rotorua company Integral Limited, a role he was offered as soon as he completed his degree.*

Sahil says the practical assignments and internships offered during his study gave him the skills to walk straight into his current role.

"We learnt about the latest technologies being used in the industry. I became interested in artificial intelligence and business intelligence and was given the opportunity to take a postgraduate course, where I learned more about the different algorithms, techniques and cloud computing used in these fields."

Sahil Chahal

*now the Bachelor of Applied Information Technology

If a course is offered part-time or full-time, the duration listed here is the full-time equivalent.

Graduate Diploma of Applied Information Technology

Duration	Study Option	Locations	Credits
1 year	Full or Part-time	Rotorua	120

Graduate Diploma of Cyber Security

Duration	Study Option	Locations	Credits
1 year	Full or Part-time	Rotorua	120

Graduate Diploma of Networking and Technical Support

Duration	Study Option	Locations	Credits
1 year	Full or Part-time	Rotorua	120

Graduate Diploma of Software Development

Duration	Study Option	Locations	Credits
1 year	Full or Part-time	Rotorua	120

Graduate Diploma of Web Design and Development

Duration	Study Option	Locations	Credits
1 year	Full or Part-time	Rotorua	120

Postgraduate Diploma in Project Management

*Information Technology**

Duration	Study Option	Locations	Credits
1 year	Full-time	Rotorua	120

*Pending approval

If a course is offered part-time or full-time, the duration listed here is the full-time equivalent.

TRADES & TECHNICAL

New Zealand Certificate in Electrical Engineering Theory (Level 3)

Duration	Study Option	Locations	Credits
1 year	Full-time	Rotorua, Tauranga	120

Recommended school subjects: Maths, English, Physics

If you're keen on an electrical career, this course is the perfect introduction. You'll learn how to install, test, and maintain electrical systems and equipment, including equipment in special electrical situations. You'll learn to diagnose faults, and identify and report electrical hazards and other issues while ensuring you are operating within the electrical legislation limits.

Graduates will be equipped with vital operational and theoretical knowledge of electricity production, distribution and utilisation, and will be able to carry out a limited range of prescribed electrical work safely and ethically under general supervision in accordance with the Electricity Act 1992. This will prepare you to work as an electrical apprentice, electrical meter reader, or as a salesperson in electrical wholesaling or retailing.

New Zealand Certificate in Mechanical Engineering (Level 3)

Duration	Study Option	Locations	Credits
1 year	Full-time	Rotorua, Tauranga, Tokoroa	120

Recommended school subjects: Maths, English, Physics, Technical Drawing/Graphics

Want to join the diverse and growing engineering industry, but not sure which path to take? This comprehensive one-year course will give you a solid head start and will increase your chances of gaining an engineering apprenticeship.

This practical course includes core engineering, mechanical and fabrication skills. You'll learn about welding, health and safety, and calculation and drawing skills - working on plenty of practical projects to fulfil the first year requirements of an engineering apprenticeship. This will prepare you for roles such as a mechanical fitter, metalworker or fabricator, welder, maintenance engineer, toolmaker, machinist, general engineer, or engineering trades assistant.



New Zealand Certificate in Automotive Engineering (Level 3)

Duration	Study Option	Locations	Credits
1 year	Full-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	120

Recommended school subjects: Maths, English, Physics, Chemistry

Starting with the basics, you'll develop a full range of skills to service and repair all makes and models. We'll show you how to disassemble, measure and reassemble an engine. You'll also service engine transmission and driveline systems, and brake, steering and suspension systems.

You'll learn how to check and perform minor repairs on electrical systems, electronic control systems, and learn about high voltage safety and climate control systems. You'll also learn how to weld and carry out valuable engineering tasks. There's plenty of project-based training, supported by highly skilled and qualified teachers who know how to create confident, capable automotive engineers.

You'll graduate with well-developed diagnosis and repair skills, as well as customer service and workshop management skills. This means you'll be well prepared for entry-level positions in the automotive industry.



New Zealand Certificate in Automotive Engineering (Level 3)

Managed Apprenticeship

Duration	Study Option	Locations	Credits
Up to 2 years	Part-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	120

Recommended school subjects: Maths, English, Physics, Chemistry

As a managed apprentice, you and your employer will be fully supported while you train at level 3, through to level 4, and onto being a fully qualified automotive engineer. You'll graduate with well-developed diagnosis and repair skills as well as customer service and workshop management skills, with plenty of hands-on practice during this practical automotive course.

You'll develop a full range of skills to service and repair all makes and models. We'll show you how to disassemble, measure and reassemble an engine. You'll also service engine transmission and driveline systems, and brake, steering and suspension systems. You'll learn how to check and perform minor repairs on electrical systems, electronic control systems, and learn about high voltage safety and climate control systems.

We tailor your day release classes to cover the learning you can't get at work, and we also provide night classes and conduct monthly workplace visits with you and your supervisor. Staffed by highly skilled and qualified managed apprenticeship coordinators, we know how to create confident, capable automotive engineers.



New Zealand Certificate in Collision Repair and Automotive Refinishing (Level 3)

Duration	Study Option	Locations	Credits
1 year	Full-time	Rotorua	120

Recommended school subjects: Maths, English, Physics, Chemistry

Love working with metal and cars? Get all the skills you need to start your first job in collision repair in the automotive repair or refinishing industry.

You'll get hands-on experience working on real cars. Learn how to strip down and reassemble components, repair damaged panels, prepare vehicles for refinishing, and get welding skills too. You'll also learn how to remove and replace vehicle safety systems, and electrical brake steering and suspension components.

This industry is desperate for skilled collision repair component removers and refitters with a keen eye for detail. This means you'll be well prepared for entry-level positions in the collision repair industry.

New Zealand Certificate in Light Automotive Engineering (Level 4)

Managed Apprenticeship

Duration	Study Option	Locations	Credits
Up to 3 years	Full-time	Rotorua, Tauranga	120-200

Required: Must complete New Zealand Certificate in Automotive Engineering (Level 3) first, or equivalent

Are cars your passion? Toi Ohomai is the only tertiary provider in the country operating commercial automotive workshops. We'll give you the skills and knowledge you'll need to become a fully qualified automotive engineer. Learn how to diagnose car problems, service and repair, and get up to speed with the latest automotive technologies and new generation hi-tech, hi-spec vehicles. You can also work on a range of other light automotive vehicles, such as motorbikes, boats and campervans.

At Toi Ohomai you can choose between two training options to complete this course. You can begin a full-time apprenticeship with an employer, which is managed by Toi Ohomai, or you can start your training on campus at our commercial workshop and then sign up to a managed apprenticeship to become fully qualified. Whichever option you choose, you'll get plenty of hands-on workshop experience working on client vehicles. Our qualified teachers will also provide ongoing mentoring and support throughout your apprenticeship.

New Zealand Certificate in Heavy Automotive Engineering (Level 4)

Road Transport, Managed Apprenticeship

Duration	Study Option	Locations	Credits
Up to 4 years	Part-time	Rotorua, Tauranga (blended)	240

Required: Must complete New Zealand Certificate in Automotive Engineering (Level 3) first, or equivalent

Have you always loved trucks and like the idea of fixing and servicing them? This course gives you the skills and knowledge you'll need to become a fully qualified automotive engineer, specialising in heavy road transport vehicles.

Learn how to diagnose problems, service and repair, and get up to speed with the latest automotive technologies and new generation hi-tech, hi-spec vehicles.

You'll need to find a full-time apprenticeship with an employer, where you'll get plenty of practical workshop experience servicing a wide range of vehicles. Toi Ohomai then manages your apprenticeship, providing ongoing mentoring and support throughout your training, which includes online assignments.

New Zealand Certificate in Automotive Electrical Engineering (Level 4)

Managed Apprenticeship

Duration	Study Option	Locations	Credits
Up to 3 years	Part-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions (blended)	210

Required: Must complete New Zealand Certificate in Automotive Engineering (Level 3) first, or equivalent

If you're tech savvy, love working with vehicles, and have a particular interest in electronics, this course will set you up for a rewarding career in the automotive industry.

As vehicles become more hi-tech, the industry is getting desperate for fully qualified electrical engineers who have a passion for diagnosing electrical faults and fixing them.

You'll learn how to inspect, troubleshoot and repair transmissions and the full range of electric and electronic componentry – such as sensors, actuators, control units, wiring and communication networks, lighting systems and accessories, communication devices, and software.

You'll have to find a full-time apprenticeship with an employer, where you'll get plenty of practical workshop experience servicing clients' vehicles. Toi Ohomai then manages your apprenticeship and provides ongoing mentoring and support throughout your training, which includes online assignments.

Blended - a mix of campus classes and online learning

New Zealand Certificate in Engineering Fabrication (Trade) (Level 4)*

Managed Apprenticeship

Duration	Study Option	Locations	Credits
Up to 4 years	Part-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	255-270

Recommended school subjects: Maths, English, Physics, Technical Drawing/Graphics

This course suits fabrication apprentices starting out in the industry, or those who have previously completed the New Zealand Certificate in Mechanical Engineering (Level 3).

You'll need to find a full-time apprenticeship with an employer, where you'll get plenty of practical workshop experience. Toi Ohomai then manages your apprenticeship, providing ongoing mentoring and support throughout your training.

Depending on the strand you choose, this qualification will allow you to work in heavy fabrication or light fabrication.

You'll graduate with a well-developed understanding of fabrication principles and practices to work to industry standard.



*Pending approval

New Zealand Certificate in Mechanical Engineering (Trade) (Level 4)*

Managed Apprenticeship

Duration	Study Option	Locations	Credits
Up to 4 years	Part-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	280-300

Recommended school subjects: Maths, English, Physics, Technical Drawing/Graphics

This course suits mechanical engineering apprentices starting out in the industry, or those who have previously completed the New Zealand Certificate in Mechanical Engineering (Level 3).

You'll have to find a full-time apprenticeship with an employer, where you'll get plenty of practical workshop experience. Toi Ohomai then manages your apprenticeship, providing ongoing mentoring and support throughout your training.

You'll graduate with a well-developed understanding of engineering principles and practices to work to industry standard.

Depending on the strand you choose, this qualification will allow you to work in fitting and machining, general engineering, maintenance engineering or metal fabrication.



*Pending approval

New Zealand Diploma in Engineering (Level 6)

Civil; Electrical; Mechanical

Duration	Study Option	Locations	Credits
2 years	Full or Part-time	Tauranga	240

Recommended school subjects: Maths, Physics, Science, English, Electronics, Metal Technology

With a worldwide shortage of skilled people in the engineering sector, it is the perfect time to start one of these diplomas.

You'll hone your analytical skills in a variety of technical areas, such as mechanical design, thermo-fluids, infrastructure, electrical design, and more. Our well-equipped labs will allow you to complete a range of practical experiments, and field trips will provide valuable insights into local workplaces.

With the right balance of applied academic study and practical skills, these courses will prepare you for great employment opportunities or degree level study within the engineering sector.

Civil:

You'll gain skills to enter a career path within the busy construction sector, playing your part in the design and construction of different types of buildings and infrastructure. Topics include road design, structures, geotechnical engineering, and water or waste systems.

Electrical:

You'll learn how to design and interpret technical electronic instructions and develop, install, test, and maintain the different types of equipment used to produce, transmit and use power. Topics include power generation, sustainable energy, and electrical and electronic principles and applications.

Mechanical:

You'll learn how to produce safer, cheaper, and more efficient machines and mechanical systems. Topics include material properties, component and machinery design, thermo-fluids, and manufacturing.

Chelsea Oliver earned the top student award at the end of her Diploma in Engineering course. At the same time, her summer job at a roading company morphed into a full-time civil engineering technician role.

"It's really satisfying to be able to apply the work we learnt during our studies. It's challenging - there's a lot of planning involved and thinking outside the square, and there's a lot of responsibility on you to make sure everything is as safe as possible. I'm learning something new every day."

Chelsea Oliver



If a course is offered part-time or full-time, the duration listed here is the full-time equivalent.

Graduate Diploma in Project Management*

Manufacturing

Duration	Study Option	Locations	Credits
1 year	Full-time	Tauranga	120

Postgraduate Diploma in Project Management*

Engineering

Duration	Study Option	Locations	Credits
1 year	Full-time	Tauranga	120

Welding Pathways (Level 3)

Training Scheme

Duration	Study Option	Locations	Credits
4 weeks	Full-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	20

Welding Skills (Introductory) (Level 3)

Training Scheme

Duration	Study Option	Locations	Credits
15 weeks	Full-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	39

Engineering CAD 1 (Level 3)

Training Scheme

Duration	Study Option	Locations	Credits
15 weeks	Part-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	20

*Pending approval

Training Schemes not eligible for student loans or allowances

Engineering CAD 2 (Level 4)

Training Scheme

Duration	Study Option	Locations	Credits
15 weeks	Part-time	Tauranga (blended)	20

Electrical Appliance Service Person (Level 3)

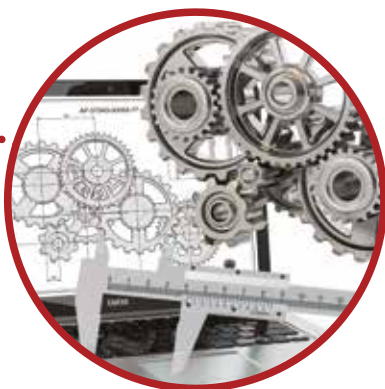
Training Scheme

Duration	Study Option	Locations	Credits
13 weeks	Part-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	14

Electrical Service Technician (Level 3)

Training Scheme

Duration	Study Option	Locations	Credits
26 weeks	Part-time	Rotorua, Tauranga, Taupō, Tokoroa, Whakatāne, and other regions	23



Blended - a mix of campus classes and online learning
Training Schemes not eligible for student loans or allowances

Electrical Competence Programme (Level 4)

Training Scheme

Duration	Study Option	Locations	Credits
5 hours	Full-time	Rotorua, Tauranga	3

Electrical Regulations Refresher (Level 4)

Training Scheme

Duration	Study Option	Locations	Credits
1 week	Full-time	Tauranga	5

Electrician Theory Refresher (Level 4)

Training Scheme

Duration	Study Option	Locations	Credits
1 week	Full-time	Tauranga	5

Electrical Practical Skills (Level 4)

Training Scheme

Duration	Study Option	Locations	Credits
1 week	Full-time	Tauranga	12

Electrical Inspector (Level 5)

Training Scheme

Duration	Study Option	Locations	Credits
15 weeks	Part-time	Tauranga	14

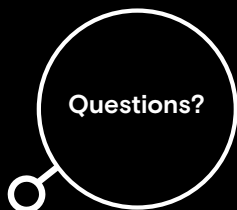
Training Schemes not eligible for student loans or allowances

HOW TO APPLY

Either in person, by phone, or online

Before you apply you'll need to make sure you have the following information:

Date of birth
Address
Contact numbers
Email address
Your tertiary qualifications (if applicable)



Phone 0800 86 46 46
Email info@toiohomai.ac.nz
Website toiohomai.ac.nz

Financing your study

Once you've decided what you want to study, there are numerous funding options available and our friendly team are here to help. Pop in to see them on campus or give us a call.

LOANS & ALLOWANCES

All of our full-time courses qualify for student loans and student allowances through StudyLink. Some part-time courses qualify for student loans too.

Student loans are available to help you meet costs while you're studying – such as fees, course-related costs and living expenses. You'll need to repay the loan once you finish studying.

Student allowances are also available to help eligible students with living expenses. Student allowances don't have to be repaid.

Find out more at www.studylink.govt.nz or call StudyLink on 0800 88 99 00.

We advise you to apply early – as soon as possible! Student loans and allowances are subject to eligibility.

SCHOLARSHIPS & GRANTS

We offer a range of scholarships and grants for all sorts of people, not just straight-A students. For more details, visit one of our Information Centres or click on the Student Services tab on the toiohomai.ac.nz website.

You can also check the nationwide givME database with your careers advisor, on your school internet account, at your local library, or at our Information Centres or libraries.



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