Master of Information Technology
Postgraduate Diploma in Information Technology
Postgraduate Certificate in Information Technology

These qualifications are designed to further prepare and enhance your employment opportunities in the IT sector where there are recognised skills shortages in New Zealand and internationally.

The information technology qualification combines a masters, postgraduate diploma and a postgraduate certificate into a flexible, multi-layered programme designed to extend, deepen and consolidate your future at the forefront of information technology.

The programme will further develop your ability to think critically while gaining specialised knowledge and a number of high-level skills in the IT field that can be applied in a wide range of IT situations.

Campus	EIT Hawke's Bay and Online
Starts	February, May, July and October
Length	From 6 to 24 months full-time (depending upon qualification chosen)
Contact	Jane Hay	Phone: 09 979 9418	Email: jehay@eit.ac.nz

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EIT
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IT qualifications are in high demand

Master of Information Technology (MIT)

The MIT is a Level 9 programme with a minimum of 180 or 240 credits. It enables those who have completed a Bachelors' degree in Information Technology/Computing to achieve a postgraduate level qualification in Information Technology.

The programme can be completed in two years (240 credits) or 18 months (180 credits) full-time or up to eight years part-time, depending on your previous study and experience and specific course preferences.

It is designed to extend and deepen your knowledge and skills by building on attainment gained from undergraduate study in the computing field and to extend current information technology professionals in their career progression.

The programme builds on your existing information technology knowledge and skills through courses that research and apply that knowledge and those skills in an environment that combines project work, case studies, real-life simulations, and practical work experience.

It encourages flexibility, acknowledging the diversity of the IT environment and the diversity in student interest and needs.

You will be provided with courses where you can research and apply information technology knowledge and skills to a workplace encouraging you to apply research skills to identify solutions to information technology problems or issues.

Three pathways are offered:

▶ **Course Work**
A broad range of courses are offered from which students can select courses to further develop their professional knowledge and skills.

▶ **Industry Integrated (Professional Practice)**
This programme is tailored to meet both students' and their organisation's development requirements.

▶ **Research**
This programme allows students to undertake a significant applied research project to further develop research skills and applied knowledge.

The three pathways emphasise the application of knowledge to provide you with the opportunity to apply knowledge in the workplace and to focus on an aspect of information technology through completion of a range of research projects.

Postgraduate Diploma in Information Technology (PGDipIT)

The PGDipIT is a one year Level 8 full-time programme with a minimum of 120 credits. It enables those who have completed a computing degree to achieve a postgraduate level qualification in information technology.

Those who wish to progress from the PGDipIT to the MIT will need to complete eight courses (120 credits) at Level 8.

The programme can be completed in one year full-time or up to four years part-time, depending on your previous study and experience and specific course preferences. It can act as an entry point into the masters degree if you do not initially meet the entry requirement and need to demonstrate your ability to study at a postgraduate level. Alternatively, if you initially enrolled in the masters degree and are not in a position to complete it, you can transfer any applicable courses to the postgraduate diploma for the purposes of qualification completion.

Postgraduate Certificate in Information Technology (PGCertIT)

The PGCertIT is a Level 8, 60 credit programme which enables those who have completed a computing bachelor degree, or similar, to achieve a postgraduate level qualification in the information technology area.

The programme can be completed in six months full-time or up to two years part-time, depending on your previous study and experience and specific course preferences. It can act as an entry point into the masters degree if you do not initially meet the entry requirement and need to demonstrate your ability to study at postgraduate level. It also provides an exit qualification if you have enrolled in the masters degree and, for some reason, are unable to complete the degree.

In this application pack you will find information about this programme, descriptions for each of the subjects covered and the related fees and costs.

If you have any questions please feel free to contact us.

YOUR FUTURE CAREER OPPORTUNITIES

The MIT, PGDipIT and PGCertIT qualifications enable you to pursue domestic and/or international professional careers within different types of industries and agencies. These can include the following areas:

- ▶ Systems analyst
- ▶ IT consultant
- ▶ Business analysts
- ▶ IT infrastructure support analyst

- ▶ E-commerce advisor
- ▶ Project manager
- ▶ Security analyst
- ▶ IT manager

WHAT YOU NEED TO KNOW

Master of Information Technology, Postgraduate Diploma in Information Technology, Postgraduate Certificate in Information Technology

Level	Master: 9 Postgraduate: 8	Credits	Master: 240 (A minimum of 45 credits at Level 9, with the remainder at Level 8) Master: 180 (A minimum of 45 credits at Level 9, with the remainder at Level 8) Diploma: 120 (A minimum of 75 credits at Level 8, with the remainder at Level 7) Certificate: 60 (All 60 credits at Level 8 or above)
Length	**Master of Information Technology (240 credits)** 2 years full-time or up to 8 years part-time **Master of Information Technology (180 credits)** 18 months full-time or up to 6 years part-time **Postgraduate Diploma in Information Technology** 12 months full-time or up to 4 years part-time **Postgraduate Certificate in Information Technology** 6 months full-time or up to 2 years part-time	Fee*	$935 approximately per 15 credit Level 8 course $1,870 approximately per 30 credit Level 8 course $2,810 approximately per 45 credit Level 9 course

* This is a guide only based on the previous year. All costs quoted include GST and student services levy. Fees apply to New Zealand citizens and New Zealand permanent residents only.

2022 KEY DATES

INTAKE ONE		INTAKE TWO	
Programme starts	Monday, 14 February	Programme starts	Monday, 2 May

INTAKE THREE		INTAKE FOUR	
Programme starts	Monday, 18 July	Programme starts	Monday, 3 October

EIT TERM HOLIDAYS			YEAR ENDS
15 - 29 April	4 - 15 July	19 - 30 September	Friday, 2 December

INDUSTRY-BASED TRAINING

The Information Technology postgraduate suite of programmes aims to produce graduates who have industry relevant practical and theoretical skills in this area. The majority of courses include some industry-based project or case study-based work.

TIMETABLE

Your study time will be made up of contact time (class times, tutorials, industry-based learning) and non-contact time (your own individual study time, online learning).

Contact Time

Postgraduate courses will be taught through blended delivery. This means part of the course will be communicated and completed online, with the rest consisting of self-directed activities, field work, and on-campus workshops.

Each Level 8 taught course comprises seven learning modules. Modules comprise of a mix of face-to-face, independent study and online learning.

The face-to-face delivery of the modules is flexible and adjusted according to your needs. The face-to-face component will usually be taught in a classroom environment but may also include workplace learning and simulation and will be delivered primarily using seven, four hour, on-campus classes.

Level 9 courses are principally supervised independent study. The Capstone course includes face-to-face and simulation components.

Elective courses from other EIT schools may be delivered using a different modality. You should consult the appropriate school's Postgraduate Handbook and course timetable.

Non-contact Time

You should plan to spend approximately 16 hours per week, per course on individual study.

ADDITIONAL COSTS

- ► $120 approximately per course for textbooks
- ► $120 approximately for stationery per year

You are advised to purchase suitable equipment to sustain studies in the computer field, and BYOD is encouraged for use in class, though workstations are supplied for all laboratory work.

ENTRY CRITERIA

A personal interview may be part of the application process.

MIT (240)

The academic entry requirement for the MIT (240) is one of the following:

- ► An NZQF-listed undergraduate degree (or equivalent) including courses that develop an understanding of Information Technology; or
- ► At the Dean's discretion, where an applicant's situation is compelling but not covered by the requirements listed above.

MIT (180)

The academic entry requirement for the MIT (180) is one of the following:

- ► An NZQF-listed undergraduate degree (or equivalent) in the Information Technology field with a minimum of the equivalent to a B average as per the EIT-specified 11-point achievement-based grading system; or
- ► A graduate diploma (or equivalent) in the Information Technology field with a minimum of the equivalent to a B average as per the EIT-specified 11-point achievement-based grading system degree; or
- ► An equivalent professional qualification in a different field if the applicant can supply evidence of work experience at degree level or above within the Information Technology field, subject to an interview and/or the submission of a portfolio of evidence to establish the status and relevance of the applicant's prior learning and experience; or
- ► Completion of the Postgraduate Diploma in Information Technology with a minimum B average; or
- ► At the Dean's discretion, where an applicant's situation is compelling but not covered by the requirements listed above.

PGDipIT (120 credits)

The academic entry requirement for the PGDipIT is one of the following:

- ► An undergraduate degree in computing at a recognised educational institute; or
- ► An undergraduate degree in a related area (e.g. business, visual arts, and science) and appropriate IT work experience in a junior/middle management position.
- ► Tertiary graduates who have appropriate work experience in a middle/senior management position and wish to improve their skills and gain a higher level qualification may also apply.

PGCertIT (60 credits)

The academic entry requirement for the PGCertIT is one of the following:

- ► An NZQF-listed undergraduate degree (or equivalent) in Information Technology, Computing or similar; or
- ► An undergraduate degree in a related field with a minimum of the equivalent to a B average (as per the EIT-specified 11-point achievement-based grading system), subject to assessment by the Programme Coordinator; or
- ► At the Dean's discretion, where an applicant's situation is compelling but not covered by the requirements listed above.

Provisional Entry

- ► Applicants who do not meet the criteria above, but present evidence of ability to succeed (e.g. maturity, life experience, work experience, other study); or
- ► Entry to subsequent study is conditional on success at the entry level.

ENGLISH LANGUAGE ENTRY REQUIREMENT

If English is not your first language you are required to have attained an acceptable level of English language fluency. This may be demonstrated in a variety of ways, including successful study in English, approved scores on TOEFL or IELTS (6.0 Academic) tests, completion of accepted international equivalents, or completion of an EIT Hawke's Bay language assessment. In addition, students are required to show evidence of good school records.

ENTRY WITH CREDIT

You may already have knowledge or skills that can be recognised as part of your intended study. This may take a number of different forms including study at a private training establishment, workplace training, other tertiary study, or life experiences. If you think you may qualify, you may want to apply for Cross Credit (CC) or Recognition of Prior Learning (RPL).

- ► CC is based on the equivalency of courses or qualifications. You would apply for CC if you have passed a very similar course at the same level.
- ► RPL is based on the assessment of your current knowledge and skills. You would apply for RPL if you had gained the relevant knowledge and skills through life experiences and informal learning situations.
- ► CC and RPL can only be awarded for Level 8 study, not Level 9.

You will be asked to provide details of anything that you would like considered as credit toward your intended programme of study, as part of your application.

You must apply prior to enrolment in the course. CC and RPL cannot be awarded for a course if you are enrolled in that course.

CC may be granted from other degree programmes, providing they are not part of the entry qualification.

For further information and enquiries about CC and RPL please contact Jane Hay, the School of Computing Postgraduate Programmes Secretary, on 09 979 9418 or email jehay@eit.ac.nz.

FACILITIES

The campus is a pleasant environment for study which emphasises small class sizes and utilises a range of general purpose rooms all with data show equipment. There are specific labs for software development, hardware, multimedia and a room for computer study.

ASSESSMENTS

All Level 8 and 9 course work assessments are marked internally. Assessments consist of assignments, tests, practical demonstrations, presentations, projects and case studies.

Assessments for supervised courses with a credit value of 30 credits or more are independently examined.

It is EIT policy to independently moderate all assignments and assessments.

THE EXPERIENCE YOU NEED & THE SUPPORT TO SUCCEED

When you study at EIT you'll get the kind of experiences that will help you gain the knowledge and skills to get ahead.

You'll also be supported by lecturers and tutors who are here for you, within a learning environment where you are treated as an individual, not just a number. They'll know your name and you'll receive one-on-one attention to make sure you get the support to succeed.

EXPERIENCED LECTURERS

You can be confident in the quality of our teaching and your learning experience at EIT.

EIT is one of the top ITPs in New Zealand for research excellence due to the quality of our community centred research, and associated publications and level of government and external grant income. This means that your lecturers use the latest knowledge and research in their field of expertise to inform their teaching, and many are at the forefront of knowledge creation within their discipline area.

Lecturers in the School of Computing bring to their teaching a wide range of practical computing skills together with the appropriate qualifications. We value our partnership with students and aim to provide quality education in a supportive environment, encouraging personal growth and professional development.

NAME	QUALIFICATION	NAME	QUALIFICATION
Dr Emre Erturk Programme Coordinator	PhD, MS, BA	Dr Daniel Dang	PhD
John Jamieson	MIT, BTech (Info Tech), NDipIT	Dr Noor Alani	PhD
Dr Dobrila Lopez	PhD, MEng, GradDipIT, BE, CertIT	Dr Farhad Mehipour	PhD, MSc, BSc
Dr Thomas Hartley	PhD, ThD, NZCertAdLitNu	Dr Samuel Ekundayo	PhD, MSc, BSc, NatCertAdEd&T

PROGRAMME INFORMATION

The Master of Information Technology and postgraduate programmes in Information Technology are delivered as a coursework offering.

Master of Information Technology	240 credits A minimum of 45 credits at Level 9 with the remainder at Level 8
Master of Information Technology	180 credits A minimum of 45 credits at Level 9 with the remainder at Level 8
Postgraduate Diploma in Information Technology	120 credits A minimum of 75 credits at Level 8 with the remainder at Level 7
Postgraduate Certificate in Information Technology	60 credits A minimum of 60 credits at Level 8 or above

Listed in the course descriptions, are the schedules of courses for the MIT and the two postgraduate qualifications in information technology.

Students deciding to pathway to the MIT will not be able to count their Level 7 credits towards the master degree. The Level 7 options are only advised if there is an identified specific knowledge gap. Should students elect Level 7 courses, they would have to complete additional Level 8 courses towards the MIT.

EIT Hawke's Bay reserves the right to change timetables. Courses may be offered in different timeslots or cancelled if there is insufficient enrolment. Textbooks are required for several courses and the cost for textbooks is not included in the course fee.

COURSE DESCRIPTIONS

Courses are offered subject to sufficient enrolments being received. In the following descriptions:

▶ P= Pre-requisite – courses which must be studied before

Master of Information Technology and Postgraduate Programmes in Information Technology

COURSE NO.	LEVEL 8 BRIEF DESCRIPTION	NO. OF CREDITS	NZQA LEVEL
ITPG8.100	**Advanced IT Project Management** To provide students with an understanding of the strengths and weaknesses of a range of alternative project management methodologies, and apply a methodology to a real world project scenario.	15	8
ITPG8.200	**Strategic IT Management** To provide students with an understanding of the strategic issues facing IT managers as they manage an IT services department in a medium to large size organisation and apply a range of techniques to create and design an IT strategy.	15	8
ITPG8.400	**Impact of Computing on Society** To encourage students to critically evaluate the impact of computing on society and understand how to address the issues that IT professionals face as a consequence of technology advances.	15	8
ITPG8.550	**Cloud Based IT Solutions** To enable students to understand the management issues surrounding the adoption of cloud based computing solutions and be able to assess the merits of a cloud based IT solution for a given IT environment.	15	8
ITPG8.600	**Advanced Mobile and Wireless Technologies** To provide students with an understanding of the issues concerning the adoption of mobile and wireless technologies and the skills necessary to be able to make informed decisions when identifying the mobile or wireless technology best suited to a given purpose.	15	8
ITPG8.770	**Cybersecurity in the Enterprise** To provide students with an opportunity to develop advanced knowledge of the information security domain and advanced skills to facilitate the design, installation and management of enterprise level information security.	15	8
PGDAV8.100	**Data Analytics and Visualisation** To provide students with expertise in data analytics and data wrangling for effective data-driven decision making and data visualization.	15	8
PGISE8.200	**Information Sourcing and Evaluation** The aim of this course is for students to develop the knowledge and skills to locate and interpret scholarly information in context of their discipline.	15	8
PGMS8.415	**He Hokinga Mahara (Māori Research Methodologies and Proposal)** This course aims to further students' existing knowledge of research methodologies and to assist them in formulating a comprehensive and implementable research proposal within their field of study or work.	30	8
PGQM8.400	**Quantitative Methods and Contemporary Tools** The aim of this course is for students to develop advanced skills in the use of contemporary data analysis platforms. The course can be taken as both a stand-alone and as a preliminary course for Strategic Financial Management and Data Analytics and Visualisation.	15	8
PGRM8.100	**Applied Research Methods** This course is a study of the principal approaches to descriptive, causal and critical research. The course examines a range of applied qualitative, quantitative and mixed methods research techniques relevant to a broad range of applied research contexts.	15	8
PGRP8.100	**Research Proposal** The aim of the course is to develop students' ability to identify a research problem and to develop a research proposal to answer research questions related to the research problem. *P: PGRM8.100 Applied Research Methods*	15	8
PGSCR8.100	**Scholarly Communication and Reflection** The aim of this course is for students to develop advanced knowledge and skills in critical analysis, scholarly communication and reflective practice in the context of their discipline.	15	8
PGST8.100	**Special Topic I** To provide students with an opportunity to develop research and problem solving skills which are relevant to the Information Technology (IT) industry.	15	8
PGWIL8.100	**Work Integrated Learning** This course provides students with experience in an applied information technology work environment and provides an opportunity to develop attributes relating to work place professional behaviours. The work placement provides an opportunity for students to extend and deepen their IT knowledge, building on the skills attained during their undergraduate degree. Students are required to reflect on theoretical approaches to IT work by identifying IT issues within a workplace and making recommendations which address those issues. *P: Students must have completed at least 60 credits of postgraduate study*	15	8

Master of Information Technology

COURSE NO.	LEVEL 9 BRIEF DESCRIPTION	NO. OF CREDITS	NZQA LEVEL
PGST9.100	**Special Topic II** The aim of this course is to develop students' knowledge, skills and techniques related to research and problem solving, and to support them in applying these in depth study addressing an existing or emerging problem or issue in their discipline or industry.	15	9
PGCCC9.200	**Communicating Complex Concepts** This course aims to advance students' ability to communicate complex concepts from their field of study in simple terms appropriate to different audiences in order to contribute to others' understanding and the dissemination of knowledge.	15	9
PGAC9.300	**Applied Capstone** An advanced course of study designed to integrate students' prior coursework-based learning by working collaboratively on complex cases. The course enables students to develop skills (in particular collaborative problem solving and work management skills) which can enable them to apply their learning in organisational contexts.	15	9
PGISP9.400	**Independent Scholarly Project** This course provides the opportunity for students to be guided step-by-step in integrating the knowledge and skills acquired throughout the programme, and extending these, by conducting and reporting on desk-based research. *P PGRM8.100 Applied Research Method, OR* *PGMS8.415 Hokinga Mahara (Māori Research Methodologies and Proposal)*	30	9
PGARR9.500	**Applied Research Report** This course aims to support students' independent application and further development of knowledge and skills acquired throughout the programme in conducting scholarly research on a specific issue or problem in their field of study. *P PGRM8.100 Applied Research Methods and PGRP8.100 Research Proposal, OR* *PGMS8.415 Hokinga Mahara (Māori Research Methodologies and Proposal)*	45	9
PGIP9.600	**Integrated Project** This course aims to support students in applying and further developing the knowledge and skills gained throughout the programme by reporting on or designing solutions for existing or emerging problems or issues within the industry or workplace. *P PGRM8.100 Applied Research Methods, OR* *PGRS8.415 Hokinga Mahara (Māori Research Methodologies and Proposal)*	45	9
PGARD9.700	**Applied Research Dissertation** This course aims to support students' independent application and further development of knowledge and skills acquired throughout the programme in conducting scholarly research, based on thorough critical examination of and extensive body of literature, on a specific issue or problem in their field of study and potential solutions, and making recommendations for potential solutions. *P PGRM8.100 Applied Research Methods and PGRP8.100 Research Proposal, OR* *PGRS8.415 Hokinga Mahara (Māori Research Methodologies and Proposal)*	60	9
PGEIP9.800	**Extended Integrated Project** This course aims to support students in applying and further developing the knowledge and skills gained at Level 8 by reporting on or designing solutions for existing or emerging problems or issues within the industry or workplace and critically evaluating the outcomes. *P PGRM8.100 Applied Research Methods, OR* *PGRS8.415 Hokinga Mahara (Māori Research Methodologies and Proposal)*	60	9
PGART9.900	**Applied Research Thesis** In this course, the student will independently conduct research and report their findings in the form of a thesis. *P PGRM8.100 Applied Research Methods and PGRP8.100 Research Proposal, OR* *PGRS8.415 Hokinga Mahara (Māori Research Methodologies and Proposal)*	90	9
PGPP9.480	**Te Aka Niwhaniwha (Community/Work-based Project)** This course enables the student to engage in a work-based project (WBP) in collaboration with an organisation relevant to the student's specific context. Through a negotiated project, the student will demonstrate research proficiency and/or analytical skills relevant to advanced work in his/her professional practice field. The project may be one in which the student is based primarily on-site at the organisation; offsite, where the student is doing research on behalf of the organisation; or a mixture of the two.	60	9

HOW TO ENROL

There is an easy 3-step process to follow when enrolling at EIT.

STEP 1

Check out the programmes online to see the programmes available for you to study. A copy of the course information for each programme is available online.

STEP 2

You can now use your RealMe verified identity to apply for study at EIT. If you use your RealMe verified identity you will no longer be sent a copy of your application form to sign. You also will not need to provide us with a copy of your primary ID.

If you apply online without using RealMe then you will be sent a summary of your enrolment to check and sign. It will also include course selection forms which you need to complete and return. Your enrolment cannot progress until you have sent the summary and forms back to us.

You can also apply using a paper enrolment form. Please call us on **0800 22 55 348** and we will send you one out.

You will receive an acceptance letter from your Faculty with programme information. This will include the start date of your study and any special information regarding your programme. Depending on your chosen programme of study, you may be invited to attend an interview before you are accepted.

STEP 3

Arrangement for full payment of enrolment fees must be made before the start of your programme. You will receive an invoice with payment details.

Fees-Free government scheme: Tertiary education is fees-free for eligible domestic tertiary students. To check if you are eligible, go to **FeesFree.govt.nz** and enter your National Student Number (NSN). If you are not eligible you will be responsible for paying your fees.

Scholarships and grants: Scholarships and grants make life easier by helping to cover your fees, other costs and living expenses while you study. You don't always need to be an academic high-flyer to qualify. You can find out more about scholarships and other options for paying your fees at **eit.ac.nz**.

StudyLink: If you need to pay for your own study you can choose to apply for your Student Loan and Student Allowance with StudyLink. You should do this early, even if you haven't yet been accepted on your programme. You can change your details later if anything changes. Visit **studylink.govt.nz** to find out more about StudyLink.

STUDENT SERVICES LEVY

The Student Services Levy is a compulsory non-tuition fee that is charged to students enrolled at EIT. The levy is to contribute to the provision of quality student services that support learning. The funds received by EIT from the levy are ring-fenced, meaning they can only be spent on student services.

STUDENT LOANS AND ALLOWANCES

StudyLink is a service of the Ministry of Social Development. Apply well before your programme begins (even if you haven't been accepted yet) so you'll be ready to get your payments when you need them most.

Check out what you qualify for at studylink.govt.nz.

EIT is now part of Te Pūkenga

Te Pūkenga will bring together New Zealand's Institutes of Technology, Polytechnics, and Industry Training Organisations to build a network of on job, on campus and online learning. The services we offer will not only remain, they will be strengthened by being part of the extensive Te Pūkenga network around the country. From 2023 your enrolment will transfer to Te Pūkenga and you will become part of the extensive Te Pūkenga network around the country.