

# MASTER / POSTGRADUATE DIPLOMA / POSTGRADUATE CERTIFICATE IN INFORMATION TECHNOLOGY 2023



Information for international applicants, July - December 2023

Napier, Auckland & Online

Extend and deepen your knowledge and skills in the computing field to enhance your employment opportunities in the sector where there are recognised skills shortages both in New Zealand and internationally.

The Information Technology suite of postgraduate programmes promote flexibility to support the diversity of your interests and a wide range of IT functions.

Study in the state-of-the-art IT complex at EIT with a range of networked and environmentally controlled computer laboratories designed for software development, hardware, multimedia and computer study.

The majority of courses include some industry based project or case study based work to equip you with the industry relevant practical and theoretical skills you need to get ahead in your future career.

## CAREER OPPORTUNITIES

Possible job and career opportunities can include:

- Systems Analyst
- IT Consultant
- Business Analyst
- IT Infrastructure Analyst
- E-Commerce Advisor

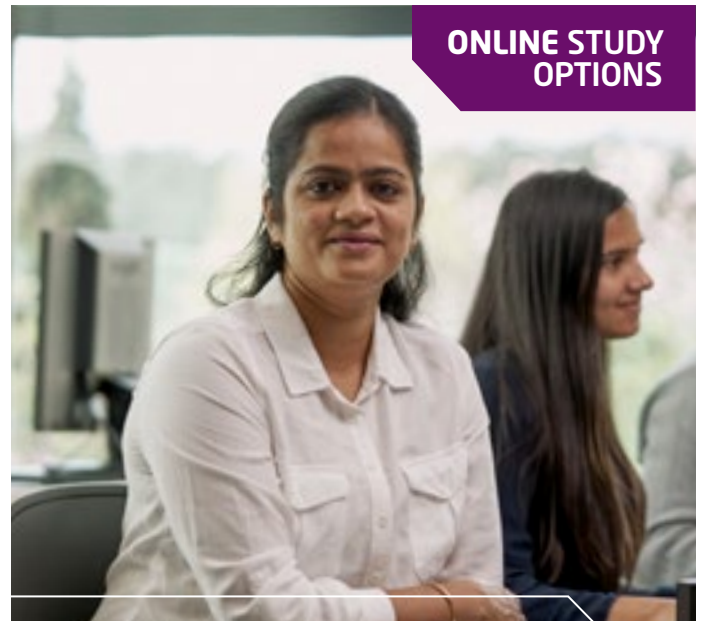
## CAREER OUTLOOK

Visit the following websites for the latest information about job opportunities in New Zealand for your chosen career path.

CareersNZ offers a range of tools to help you explore jobs and plan your career: [careers.govt.nz](https://careers.govt.nz)

For extensive information on labour supply and demand for occupations visit: [occupationoutlook.mbie.govt.nz](https://occupationoutlook.mbie.govt.nz)

For information about the Long Term Skill Shortage List visit: [skillshortages.immigration.govt.nz](https://skillshortages.immigration.govt.nz)



“EIT is the best place to start your career. You have the chance to taste different programme areas, learn from experts in diverse fields and explore your passion to tailor your academic growth.”

SARANYA NAVANEETHAKRISHNAN | India

### Master of Information Technology

**Start:** 17 July, 2 Oct (on-campus and online\*)  
**Length:** 1.5 or 2 years full-time  
**Level:** Level 9  
**Credits:** 180 or 240  
**IELTS:** 6.5 (academic) with no band lower than 6.0 or equivalent

### Postgraduate Diploma in Information Technology

**Start:** 17 July, 2 Oct (on-campus and online\*)  
**Length:** 1 year full-time  
**Level:** Level 8  
**Credits:** 120  
**IELTS:** 6.5 (academic) with no band lower than 6.0 or equivalent

### Postgraduate Certificate in Information Technology

**Start:** 17 July, 2 Oct (online\*)  
**Length:** 6 months full-time  
**Level:** Level 8  
**Credits:** 60  
**IELTS:** 6.5 (academic) with no band lower than 6.0 or equivalent

### Programme Fees

**Fees:** For Semester 2, 2023 tuition fees and information about study grants, please visit the [EIT | Te Pūkenga website](https://eit.tepukenga.ac.nz)

\* Part-time study available. Students must be outside New Zealand to study online programmes.



## MASTER OF INFORMATION TECHNOLOGY.

The Master of Information Technology is a Level 9 programme of either 180 credits or 240 credits at Levels 8 and 9 with at least 45 credits at Level 9, completed by coursework and industry integrated or applied research. It enables those who have completed a bachelor degree in business, or similar, to achieve a postgraduate level qualification in the information technology area.

The programme can be completed in 18 months full-time\* for the 180 credit Masters or 2 years full-time\* for the 240 credit Masters.

- Its focus is on both in-depth theoretical knowledge and understanding of the information technology environment and professional practice in which the knowledge and understanding are applied.
- It is designed to extend and deepen an individual's 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.
- It builds on the student's 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 information technology environment and the diversity in learner interest and needs.
- It encourages participants to apply research skills to identify solutions to information technology problems or issues.

### Coursework

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

### Industry Integrated

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 management through completion of a range of applied research projects.

You can pathway into a Postgraduate Diploma or Master of Information Technology by completing a Postgraduate Certificate in one of the following specialist areas:

- Business Analytics
- Digital Business
- Information Technology

## POSTGRADUATE DIPLOMA IN INFORMATION TECHNOLOGY

The Postgraduate Diploma in Information Technology is a Level 8 programme of 120 credits at Levels 7 and 8, with at least 75 credits at Level 8, which enables those who have completed a bachelor degree in business or similar to achieve a postgraduate level qualification in the information technology area.

Those who wish to progress from the Postgraduate Diploma to the Masters 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

The Postgraduate Certificate in Information Technology is a Level 8 programme of 60 credits, which enables those who have completed a bachelor degree in business, or similar, to achieve a postgraduate level qualification in the information technology area.

The programme can be completed in six months full-time\*. It can act as an entry point into the Master's degree for those who don't initially meet the entry requirements, and need to demonstrate their ability to study at postgraduate level. It also provides an exit qualification if you have enrolled in the Master's 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.

\* Part-time study is available but must be completed within 6 years.



## ONLINE TO ON-CAMPUS STUDY\*

### CHOOSE AN ONLINE STUDY PATHWAY TO SUIT YOU

1

**FULLY ONLINE  
MASTER OF INFORMATION TECHNOLOGY**

2

**FULLY ONLINE POSTGRADUATE  
CERTIFICATE IN INFORMATION  
TECHNOLOGY**

**COMPLETE YOUR MASTER OF  
INFORMATION TECHNOLOGY ON-CAMPUS  
IN NEW ZEALAND\***

3

**OTHER FLEXIBLE ONLINE TO  
ON-CAMPUS PATHWAY OPTIONS  
MAY BE AVAILABLE**

For further information email  
international@eit.ac.nz

EIT offers a suite of programmes at Postgraduate Certificate, Postgraduate Diploma and Master's degree levels in Information Technology. These programmes provide you with the option and flexibility to study online from wherever you are.

With face to face study not possible for many in the current world climate, online study allows you to learn at your own pace to fit in with your work and lifestyle.

You can now study your Master's Degree programme fully online. Alternatively you can start with a Postgraduate Certificate online

followed by further postgraduate study on-campus. Studying online for a Postgraduate Certificate gives you the opportunity to gain a stand-alone, globally recognised qualification and then pathway into a Postgraduate Diploma or Masters at EIT when you are able to travel to New Zealand.\*

Our online programmes feature a hands-on, engaging approach to learning along with the support you need to succeed. Designed with an industry focus, our cutting-edge programmes are taught by lecturers who are experts in their field.

## INFORMATION TECHNOLOGY POSTGRADUATE SUITE STRUCTURE

### POSTGRADUATE CERTIFICATE (60 CREDITS)

A total of 60 credits at Level 8.

- At least 45 credits from the Information Technology specific courses.\*\*

### POSTGRADUATE DIPLOMA (120 CREDITS)

A total of 120 credits at Level 8 (students may select up to 45 Level 8 elective credits from available courses in Applied Management, Digital Business or Logistics and Supply Chain Management).

\*\* Information Technology specific courses are prefixed by ITPG as listed in this information sheet under Course Descriptions and includes PGDAV8.100 Data Analytics and Visualisation.

### MASTER'S DEGREE (180 CREDITS)

A total of 180 credits with a minimum of 45 credits at Level 9, with the remainder at Level 8. Complete one of the following pathways:

#### COURSEWORK

PGISP9.400 INDEPENDENT SCHOLARLY PROJECT (30 CREDITS)

#### PLUS

ONE LEVEL 8 COURSE AND ONE LEVEL 9 COURSE  
OR TWO LEVEL 9 COURSES  
(30 CREDITS)

#### RESEARCH

PGART9.900 APPLIED RESEARCH THESIS (90 CREDITS)

OR PGARD9.700 APPLIED RESEARCH DISSERTATION (60 CREDITS)

OR PGARR9.500 APPLIED RESEARCH REPORT (45 CREDITS)

#### INDUSTRY INTEGRATED

PGRM8.100 APPLIED RESEARCH METHODS (15 CREDITS)

PLUS PGIP9.600 INDUSTRY INTEGRATED PROJECT (45 CREDITS)

### MASTER'S DEGREE (240 CREDITS)

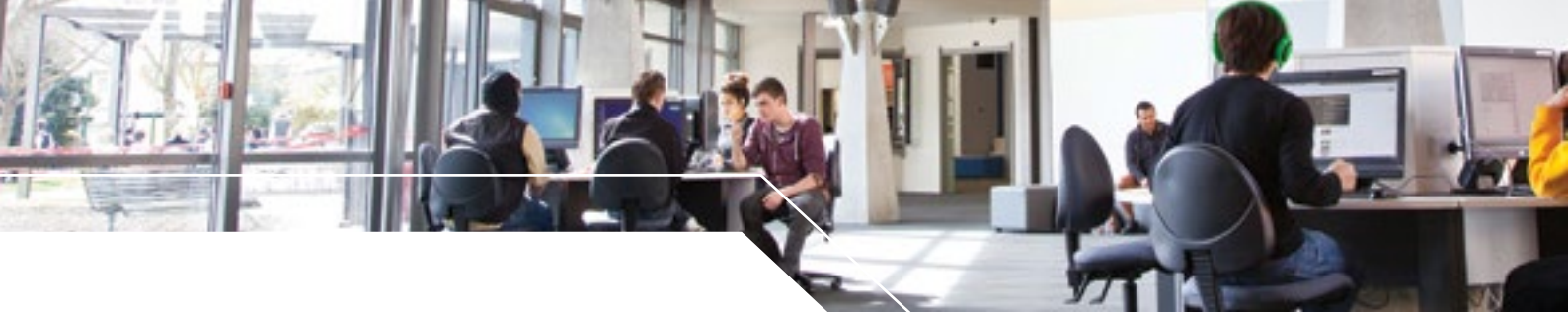
The 240 credit programme is distinguished from the 180 credit programme by an initial phase of courses which prepare you for Master's level study.

**Four additional level 8 courses**  
(60 Credits)

**Master's degree** - coursework, research or industry integrated pathway  
(180 Credits)

**Master's degree**  
(240 credits)

\* Restrictions apply based on EIT programme eligibility criteria. Students must be outside New Zealand to study online programmes. EIT programmes are approved by the New Zealand Qualifications Authority (NZQA), however students are advised to check that qualifications awarded via online delivery are recognised in the jurisdiction they intend to use them in. To study onshore in New Zealand, students must meet current Immigration New Zealand requirements for a student visa. For more information please see the [Immigration New Zealand website](#).



## ACADEMIC ENTRY REQUIREMENTS

### Master of Information Technology (180 Credits)

An undergraduate degree in the Information Technology field with a minimum of a B average.

Where the candidate's undergraduate degree does not provide the basis of study at the level required for more advanced study, students will be required to enrol in the Postgraduate Diploma in Information Technology before continuing to master's degree level (180 credits). Alternatively, students can apply for the 2 year masters (240 credit) if they meet the entry criteria for this programme.

### Master of Information Technology (240 Credits)

- An undergraduate degree or graduate diploma.
- Other graduate qualifications and industry experience may be considered. Please contact the International Centre for further information: [international@eit.ac.nz](mailto:international@eit.ac.nz)

### Postgraduate Diploma in Information Technology

An undergraduate degree in Information Technology, Computing or similar

### Postgraduate Certificate in Information Technology

- An 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

## ENGLISH LANGUAGE ENTRY REQUIREMENTS

PTE (Academic) score of 58 with no band score lower than 50 or IELTS (Academic) score of 6.5 with no band score lower than 6.0 (or equivalent) achieved within the last 2 years.

## ONLINE STUDY REQUIREMENTS

For online study, you must have the following available to be able to utilise the online learning environment and have access to industry:

- Desktop or laptop computer or other appropriate electronic device not older than five years
- Reliable broadband internet connection
- Software as required

When you study online at EIT, you enter your course through the EIT Online website. After logging in, you can access your course materials such as readings, learning activities and assessments. Online communication tools such as discussion forums and chat let you interact with your teacher and classmates.

You will be supported in how to do this and receive relevant training for specific software. Many students find that online learning offers them the flexibility to study when, where and how they want.

## FACILITIES

EIT's Hawke's Bay and Auckland campuses offer pleasant environments for study which emphasise small class sizes in a range of general purpose rooms all with data show equipment. In the state-of-the-art Information Technology Complex at the Hawke's Bay campus there are nine networked computer laboratories with 24 student stations in each. There are also specific labs for software development, hardware, multimedia and a room for computer study.

## ASSESSMENTS

All Level 8 and Level 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.

## 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 are taught fully online or through blended delivery on-campus in New Zealand. Blended 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. For each 15 credit course, students are expected to attend approximately 4 hours of online classes and workshops per week.

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 15 hours of individual study per 15 credit course per week.

## COURSE DESCRIPTIONS

NB: Courses may be delivered by lecturers who are based at either our Auckland or Napier campuses. Courses are offered subject to sufficient enrolments being received. Courses may differ depending on selected campus. In the following descriptions:

P= Pre-requisite – courses which must be studied before C= Co-requisite – courses which can be studied before or at the same time

LEVEL 8 COURSE NO.	BRIEF DESCRIPTION	LEVEL	CREDITS
ITPG8.100	<b>Advanced IT Project Management</b> 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.	8	15
ITPG8.200	<b>Strategic IT Management</b> 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.	8	15
ITPG8.400	<b>Impact of Computing on Society</b> 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.	8	15
ITPG8.550	<b>Cloud Based IT Solutions</b> 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.	8	15
ITPG8.600	<b>Advanced Mobile and Wireless Technologies</b> 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.	8	15
ITPG8.770	<b>Cybersecurity in the Enterprise</b> 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.	8	15
PGDAV8.100	<b>Data Analytics and Visualisation</b> To provide students with learning opportunities to develop advanced knowledge and skills in data analytics and data wrangling for effective data-driven decision making and data visualisation.	8	15
PGQM8.400	<b>Quantitative Methods and Contemporary Tools</b> The aim of this course is for students to develop knowledge and skills in quantitative data analysis techniques and contemporary tools used by organisations.	8	15
PGISE8.200	<b>Information Sourcing and Evaluation</b> 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.	8	15
PGRM8.100	<b>Applied Research Methods</b> 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.	8	15
PGRP8.100	<b>Research Proposal</b> 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. <i>P: PGRM8.100 Applied Research Methods</i>	8	15
PGSCR8.100	<b>Scholarly Communication and Reflection</b> 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.	8	15
PGST8.100	<b>Special Topic I</b> To provide students with an opportunity to develop research and problem solving skills which are relevant to the Information Technology (IT) industry. <i>Requires special approval from the Programme Coordinator.</i> <i>P: PGRM8.100 Applied Research Methods.</i>	8	15
PGWIL8.100	<b>Work Integrated Learning</b> 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. <i>P: Students must have completed at least 60 credits of postgraduate study.</i>	8	15

LEVEL 9 COURSE NO.	BRIEF DESCRIPTION	LEVEL	CREDITS
PGAC9.300	<b>Applied Capstone</b> This course allows students to integrate the knowledge and skills they have acquired thus far in the programme by working on complex cases, developing problem solving and work management skills relevant to organisational and/or workplace contexts.	9	15
PGARD9.700	<b>Applied Research Dissertation</b> 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 an extensive body of literature, on a specific issue or problem in their field of study and potential solutions, and making recommendations for potential solutions. <i>P: PGRM8.100 Applied Research Methods</i>	9	60
PGARR9.500	<b>Applied Research Report</b> 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.	9	45
PGART9.900	<b>Applied Research Thesis</b> In this course, the student will independently conduct research and report their findings in the form of a thesis. <i>P: PGRM8.100 Applied Research Methods</i>	9	90
PGCCC9.200	<b>Communicating Complex Concepts</b> 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.	9	15
PGEIP9.800	<b>Extended Integrated Project</b> 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. <i>P: PGRM8.100 Applied Research Methods</i>	9	60
PGIP9.600	<b>Integrated Project</b> 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. <i>P: PGRM8.100 Applied Research Methods</i>	9	45
PGISP9.400	<b>Independent Scholarly Project</b> 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. <i>P: PGRM8.100 Applied Research Methods</i>	9	30
PGST9.100	<b>Special Topic II</b> The aim of this course is to further develop students' knowledge, skills and techniques related to research and problem solving gained throughout the programme, and to support them in applying these in an in-depth study addressing an existing or emerging problem or issue in their discipline or industry.	9	15

**Disclaimer:** All information in this publication pertains to international students, and is correct at the time of publication but is subject to change without notice. The programme fees, other costs, entry requirements, duration and programme start dates are for July - December, 2023. Programme content is based on current information and may be subject to change. Te Pūkenga – New Zealand Institute of Skills and Technology trading as EIT reserves the right to cancel or postpone any programme or course for any reason and shall not be liable for any claim other than that proportion of the programme fee which the cancelled or postponed portion bears. Programmes or courses may be subject to review as part of the Reform of Vocational Education and Training. For full programme entry requirements visit [eit.ac.nz](http://eit.ac.nz).