2027



Applied Data Analytics Postgraduate Suite

Postgraduate Certificate, Postgraduate Diploma or Master Degree

Level 8–9

Be at the forefront of data-driven innovation, transforming information into insights that empower smarter, faster decisions in an increasingly complex and rapidly evolving world.

The Postgraduate Suite in Applied Data Analytics is designed to develop analytical professionals who can harness the power of data to drive informed decision-making across diverse industries and contexts. Through a blend of advanced analytical techniques and practical application, learners will be prepared to lead data-informed decision-making and effectively communicate findings in organisations facing constant change and growing complexity.

Location	**Auckland and Hawke's Bay***
Start	**February, April, July and October**
Length	**6 months to 2 years full-time (depending upon qualification chosen)**
Contact	**computing@eit.ac.nz** **0800 22 55 348**

* Auckland offering by way of blended delivery (face-to-face and online learning). Hawke's Bay offering by way of on campus delivery.
Part-time study available.
For NZ Citizens and Permanent Residents

EIT
TE AHO A MĀUI

Elevate your critical thinking skills and analytic capabilities through real-world application

The postgraduate Applied Data Analytics programme suite combines courseware with applied and research-based projects to ensure graduates are 'work-ready' and can use their completed projects to demonstrate their capability and proficiency as data analysts to potential employers.

Combining statistical theory, computational expertise, and applied domain knowledge, the programme suite equips graduates with the skills to extract meaningful insights from complex datasets, solve real-world problems, and communicate findings effectively to both technical and non-technical audiences.

Graduates will be able to undertake a broad range of advanced data analytic activities, from the initial formatting of data through to the visualisation and presentation of the analysis, coding/scripting using a range of tools and languages (e.g. R and Python).

Master of Applied Data Analytics

The Master of Applied Data Analytics 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's degree in fields with a quantitative focus, such as engineering (including software engineering), science, economics, finance, mathematics/statistics to complete a master's qualification in the Applied Data Analytics area.

The programme can be completed in 18 months full-time for the 180 credit Masters or two years full-time for the 240 credit Masters, or up to six years part-time.

Through this programme, graduates develop the skills and knowledge required to:

- Demonstrate deep and integrated knowledge of conceptual and theoretical elements of data analytics.
- Critically evaluate complex data-related problems, and design analytical approaches for a wide range of applied contexts.
- Discern information needs, and locate, create, evaluate, and use data and evidence effectively, to develop robust evidence-based arguments.
- Effectively communicate knowledge, ideas, limitations, recommendations and decisions to diverse audiences, using suitable professional, academic, and digital formats.
- Demonstrate ethical, responsible, and culturally responsive practice in the collection, management, analysis, interpretation, and communication of data.
- Apply data governance principles, privacy legislation, and ethical frameworks to ensure equitable, inclusive, and culturally responsive data practices in both Aotearoa New Zealand and globally.
- Undertake independent research and apply advanced analytical problem solving to address complex real-world challenges, demonstrating leadership and delivering meaningful impact.

Industry Integrated

This programme is tailored to meet both students' and their organisation's development requirements.

Research

This programme allows students to undertake significant applied research to further develop research skills and applied knowledge.

Postgraduate Diploma in Applied Data Analytics

The Postgraduate Diploma in Applied Data Analytics is a Level 8 programme of 120 credits, of which 30 credits is a Level 8 applied project. It enables those who have completed a bachelor's degree in fields with a quantitative focus such as engineering (including software engineering), science, economics, finance, mathematics/statistics to complete a postgraduate diploma in the Applied Data Analytics area.

Those who wish to progress from the Postgraduate Diploma to the 240 credit 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 be completed as a standalone qualification, or used as a stepping stone into the masters degree, letting you build your analytical capability and demonstrate postgraduate achievement before moving on to more advanced applied research and project work. 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 Applied Data Analytics

The Postgraduate Certificate in Applied Data Analytics is a Level 8, 60 credit programme.
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 be completed as a standalone qualification, or used as a stepping stone into the masters degree, letting you build your analytical capability and demonstrate postgraduate achievement before moving on to more advanced applied research and project work. It also provides an exit qualification if you have enrolled in the masters degree and are unable to complete it.

2027 Key Dates

Intake One Starts	Monday, 8 February	**Intake Two Starts**	Monday, 26 April
Intake Three Starts	Monday, 19 July	**Intake Four Starts**	Monday, 4 October
Term breaks	12-23 April, 28 June - 16 July, 20 September - 1 October		

Master Degree
Level 9, 240 credits
(Minimum of 90 credits at Level 9, with remainder at Level 8)

Auckland and Hawke's Bay

Full-time: 2 years
Part-time: up to 6 years

Fee: Visit fees.eit.ac.nz to see the fees for this programme

Master Degree
Level 9, 180 credits
(Minimum of 45 credits at Level 9, with remainder at Level 8)

Auckland and Hawke's Bay

Full-time: 18 months
Part-time: up to 6 years

Fee: Visit fees.eit.ac.nz to see the fees for this programme

Postgraduate Diploma
Level 8, 120 credits
(All 120 credits at Level 8)

Auckland and Hawke's Bay

Full-time: 1 year
Part-time: up to 4 years

Fee: Visit fees.eit.ac.nz to see the fees for this programme

Postgraduate Certificate
Level 8, 60 credits
(All 60 credits at Level 8)

Auckland and Hawke's Bay

Full-time: 6 months
Part-time: up to 2 years

Fee: Visit fees.eit.ac.nz to see the fees for this programme

Career Opportunities

Possible job and career opportunities can include:

- Data Analyst
- Business / Insights Analyst
- Decision Scientist
- Analytics Consultant
- Statistical Analyst
- Customer Data Analyst
- Risk Analytics Specialist
- Operations Analyst

Career Outlook

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

tahatu.govt.nz

mbie.govt.nz

Industry-based Training

The postgraduate Applied Data Analytics programmes suite 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 are taught 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, and on-campus workshops. For each 15 credit course, students are expected to attend approximately four hours of classes and workshops per week.

Level 9 courses are principally supervised independent study on campus.

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

As a general guideline, you should plan to spend 10 hours of individual study per course credit, so a 15-credit course would require at least 150 hours of study over its duration. Access to a computer and the internet is required to complete this programme.



Entry Requirements

Academic Entry Requirements

The academic entry requirement for the Master of Applied Data Analytics (240 or 180 credits), Postgraduate Diploma in Applied Data Analytics and Postgraduate Certificate in Applied Data Analytics is one of the following:

- An NZQCF-listed undergraduate degree (or equivalent) which has a quantitative focus[1] with a minimum of the equivalent to a B- average in the final year of study (as per the EIT-specified 11-point achievement-based grading system); or
- A Bachelor Honours or Postgraduate degree which has a quantitative focus[1] with 120 credits at Level 8; or
- A degree or equivalent professional (quantitative-focused) qualification with a minimum of the equivalent to a B- average in the final year of study and/or verifiable evidence of quantitative experience at degree level, and assessment from the Programme Coordinator; or
- At the Dean's discretion, where an applicant's situation is compelling but not covered by the requirements listed above.

English Language Entry Requirements

All applicants must demonstrate an acceptable level of English language fluency prior to acceptance in the programme. For international students, ways in which English language fluency may be demonstrated include the following:

- Successful study of a programme in which English was the language of instruction (subject to the conditions in EIT's Database for English Language Proficiency (DELP)).
- Completion of a New Zealand Certificate in English Language (Level 5 with any endorsement).
- IELTS Academic score of 6.5, with no band score lower than 6, achieved in a single test within the two years preceding enrolment.
- Accepted international equivalents to the above IELTS scores, achieved in a single test within the two years preceding enrolment (see equivalency tables in the DELP).

Entry with Credit

You may already have some knowledge or skills that can be recognised as part of your intended study. This may take a number of different forms including study at any other tertiary institution, life or work experiences and workplace training can also be considered. If you think you qualify, you can 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.
- There is a fee for RPL.

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

CC and RPL cannot be awarded for a course if you are enrolled in that course. An original transcript or notice of results from the institute at which you previously studied (or verified copies) will be required for all applications.

For further information and enquiries about CC and RPL please contact the Faculty Administrator on 0800 22 55 348 or email computing@eit.ac.nz.

[1]. A degree is deemed to have a quantitative focus if it includes substantial coursework in mathematics, statistics, data analytics, programming, or quantitative research methods, and demonstrates the applicant's ability to apply quantitative reasoning to solve real-world problems. This is typically evidenced through multiple courses with mathematical or analytical content or through an applied quantitative research project.

A degree or equivalent (verified) professional qualification will be treated as quantitatively focused if the applicant completed:
- At least three (3) courses where quantitative reasoning was a significant component, OR
- One advanced course involving applied statistics, computation, or modelling OR
- A research project/industry placement that required quantitative analysis

Access to Course Material

You must have the following available to be able to utilise the online learning environment:

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

When you study at postgraduate level 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.

Assessments

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

Assessments for Level 9 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.

Additional Costs

- You are required to have your own laptop or appropriate device (not older than five years) to complete your assessments and attend workshops.

Facilities

The campus is a pleasant environment for study which emphasises small class sizes and utilises a range of general purpose rooms and lecture theatres all with data show equipment. There are specific labs for software development, hardware, multimedia and a room for computer study. The facility also has a 50-seat tiered lecture theatre.



Scholarships

Scholarships are a way to help financially support your study. They can make life easier by helping to cover your fees and living expenses while you complete your qualification. You don't always need to be an academic high-flyer to qualify.

Find out what's available at scholarships.eit.ac.nz or for general scholarship information please contact scholarships@eit.ac.nz.

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

At EIT, you can be confident in the quality of our teaching and your learning experience.

EIT is highly regarded in New Zealand for research excellence due to the quality of our community centred research, our publications and our external grant income provided by funding institutions who have confidence in our research capability. You can be confident 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.

Programme Information

The Master of Applied Data Analytics, Postgraduate Diploma and Postgraduate Certificate in Applied Data Analytics are delivered as a coursework offering. Listed in the Course Descriptions, are the schedules of courses for the postgraduate qualifications in Applied Data Analytics.

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



Course Descriptions

NB: Courses may be delivered by lecturers who are based at either our Auckland or Hawke's Bay campuses. Courses are offered subject to sufficient enrolments being received.

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 Courses

Course No.	Brief Description	NZQA Level	No. of Credits
PGQM8.400	Quantitative Methods and Contemporary Tools 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
PGDAV8.100	Data Analytics and Visualisation The aim of this course is for students to develop advanced knowledge and skills in data analytics and data wrangling for effective data-driven decision making and data visualisation.	8	15
DAPG8.100	Data Engineering The aim of this course is for students to develop advanced theoretical knowledge and practical competencies to systematically identify, manipulate and curate complex data sets for sophisticated downstream analysis purposes.	8	15
PGWIL8.100	Work Integrated Learning This course aims to support students in advancing their discipline specific knowledge and skills in a workplace context or with a client by investigating systems and processes to identify issues or problems and developing relevant recommendations.	8	15
DAPG8.200	Analytics for Decision Making The aim of this course is to provide students with the practical expertise in advanced analytical methodologies and strategic decision-making techniques for the complexities within business contexts.	8	15
DAPG8.300	Data Governance and Sovereignty The aim of this course is to provide students with advanced knowledge and skills to apply appropriate data governance and data sovereignty protocols that address compliance, security and the unique challenges of maintaining data sovereignty in Aotearoa New Zealand.	8	15
DAPG8.400	Intelligent Analytics in Practice The aim of this course is to provide students with contemporary knowledge and skills in Artificial Intelligence (AI) so that they are capable to create intelligent analytics systems focussing on solutions that transform complex data into strategic insights for organisational success.	8	15
PGWIL8.200	Work Integrated Learning 2 This course aims to support students in advancing their discipline specific knowledge and skills in a workplace context or with a client by investigating systems and processes to identify issues or problems and developing relevant recommendations.	8	30
PGRM8.100	Applied Research Methods The aim of the course is to provide students with knowledge and skills related to research methodologies appropriate for conducting research in a range of disciplines.	8	15

Level 9 Courses

Course No.	Brief Description	NZQA Level	No. of Credits
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.	9	45
PGSIP9.100	Strategic Integrated Project This course aims to support students in applying knowledge and technical skills to a strategic integrated project relevant to their area of study through advanced research, investigating complex/multifaceted/long-term issues or problems, and developing relevant strategic recommendations and solutions.	9	90

How to Enrol

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

01 Find Your Programme

Go online to eit.ac.nz to see the programmes available to study at EIT. Once you find a programme you are interested in, you can download course information to find out more.

02 Apply Online

Applying online at eit.ac.nz is the quickest way to apply to study at EIT. Once you have submitted your application we will let you know if we need a copy of your primary ID or any further documentation from you.

Apply Using RealMe

You can use your RealMe verified identity to apply for study at EIT. If you use your RealMe verified identity you won't need to provide us a copy of your primary ID (unless you are on a visa from Immigration NZ to be in New Zealand).

Applying by post

You can also apply using a paper enrolment form. Please email us at info@eit.ac.nz and we will send one out to you.

Applying in person

You can return your enrolment form with any additional documentation and your identification to any of EIT's Regional Learning Centres, or at the Hawke's Bay or Tairāwhiti Campus.

Next Steps

Once your application has been processed, you will be contacted by your programme's administrative team. They will provide you with programme information including the start date of your study and any special information regarding your programme. You may also be sent course selection forms which you need to complete and return to us. Depending on your chosen programme of study, you may be invited to attend an interview before you are fully enrolled.

03 Arrange Payment

Full payment of enrolment fees must be arranged before the start of your programme. You will receive an invoice with payment details.

Scholarships

There is information about a range of scholarships on our website eit.ac.nz/students/scholarships.

Student Loans and Allowances

If you need to pay for your own study you can choose to apply for a Student Loan and/or Student Allowance with StudyLink. 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 will be ready to get your payments when you need them most. Check out what you qualify for at studylink.govt.nz.

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.

DISCLAIMER:

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All information in this publication pertains to New Zealand Citizens or Permanent Residents and is correct at the time of printing but is subject to change. EIT reserves the right to amend/withdraw programmes or courses.

Fees for 2027 will be set by November 2026 and are subject to change. For the latest information, or for full programme entry requirements visit eit.ac.nz or phone 0800 22 55 348.