

# Master of Education Digital Education Futures

The Digital Education Futures endorsement provides educators and training or support staff with opportunities to develop their knowledge, understanding and professional practice, examine critical issues and build confidence and capability for leadership in this area. All e-Learning courses are exclusively available by distance learning options.



Technology has prompted dramatic transformation and disruption of traditional educational approaches. The pervasive adoption of digital technologies, in all aspects of life, has stimulated educators to develop a deeper understanding of the implications and opportunities that digital technologies provide to enhance learning and teaching. This change has prompted the need for leaders who are able to harness digital change to support effective engagement and understanding of the influence of digital technology in education.

This fully online course delivery blends the best of independent flexible study with the benefits of belonging to a supportive cohort. Courses connect current research with workplace experiences and develop confidence and competence in designing, implementing, evaluating and researching many aspects of digital learning in a variety of contexts. Students develop critical analysis skills within a theoretical context to inform and lead practice. This programme caters for educators from all sectors (informal and formal training institutions, schooling and tertiary institutions) interested in exploring the concepts, approaches, application of digital technology in education. The course is designed to provide flexibility for students to explore their areas of interest. In particular, the programme is designed around two strands:

- **Digital Education and Leadership:** For all educators and support staff wanting to better understand the role of digital technology in education and how to better engage with technology for teaching and learning

- **Digital Technologies Education:** For primary and secondary teachers interested in integrating the DT Progress Outcomes into their classes and explore the introduction of programming and computational thinking into their classes

Students are not assumed to be experts with digital technologies. It is only necessary to be computer literate and enthusiastic to learn more about this field.

## Programme structure

### Master of Education (Digital Education Futures)

Research component (recommended)					
					EDME 601
Coursework option					
					EDME 602

■ Endorsed course     ■ Optional course  
■ Research Methods     ■ Research project/thesis

The MEd (Digital Education Futures) consists of 180 points and can be completed by coursework or a combination of courses and a research project. Those completing by coursework should select 90 points (3 courses) from our endorsement, the remaining 3 can be any other course on the MEd Schedule but must include at least 45 points from Schedule B (level 9 courses).

Those interested in a research component in the MEd (highly recommended), should include EDME601 and EDME602 along with an optional course from the Schedule.

Students with an excellent GPA who are interested in a 90CP thesis option should discuss their suitability with the endorsement coordinator.

Students are strongly advised to check their planned course of study with a student advisor prior to enrolment.

### Postgraduate Diploma in Education (Digital Education Futures) (120 points)

The PGDipSS consists of 120pts of completed courses.



The Postgraduate Diploma in Education (Digital Education Futures) consists of three endorsement courses from the Schedule below and one optional course. It is highly recommended that you consider doing a research methods course (such as EDME601) for your optional course.

## Schedule of courses

The Digital Education Futures endorsement has two strands. The teaching of these courses and related research is supported by the UC Digital Education Futures Lab with experts from the Schools of Teacher Education, Educational Studies and Leadership, and Computer Science.

### Interested in Digital Education and Leadership?

This pathway has been developed to support digital education leaders across a range of sectors (from early childhood and schools through to industry and community organisations) by engaging them in exploring challenges and opportunities in their own contexts related to the introduction of digital technologies.

### Suggested pathway

Postgraduate Certificate in Education (60 pts)	Postgraduate Diploma in Education (Digital Education Futures) (120 pts)	Masters of Education (Digital Education Futures) (180 pts)
EDEM633	EDEM633	EDEM633
EDEM628	EDEM628	EDEM628
	EDEM630	EDEM630
	EDME601	EDME601
		EDME602
		Optional course

Each block represents 30 points (0.25 EFTS) course

### EDEM633: Digital Pedagogies for Enhanced Learning (Level 8)

Participants will gain a comprehensive overview of the field of technology-enhanced learning and develop an ability to select, evaluate and create digital tools for learning in a variety of learning contexts. The course will explore the impact digital technology has on learning practice and theories. Exploring how learning and practice has evolved and how we can effectively design learning where technology is integrated in an effective manner. Drawing on the affordances the course explores the role of digital pedagogies in the design and integration of technology for learning in a particular context

### EDEM628: Learning design in digital education- (Level 8)

This course will engage students in authentic learning experiences as they explore an educational challenge in their own context. The course engages with theories, models and processes for instruction and learning design. As a community of practice, students help guide the course focus, through identification and presentation of relevant issues in their own education or training contexts before carrying out an independent project to enhance both their professional practice and the theoretical understandings of digital education. Given the authentic learning focus, the course is suitable for educators in all phases of education and training, including early childhood, schools and industry training and community organisations.

### EDEM630: Leading Change in Digital Education (Level 9)

As societies shift towards the age of digitalisation, digital education leadership is becoming a growing concern for students, educators and policymakers. This course is designed to study the role of 'change agents' in digital education, including teachers and trainers as change agents. Students will explore current issues that are affecting the digital world and reflect on their influence on education and training. Through exploring models of leadership and change, and critical reflection on their own experiences, the course aims to help each student develop as a digital education leader. Students will lead online seminars, conduct field observation and engage in project work to prompt and understand change within their own contexts in an evolving, digitally mediated society.

### Interested in Teaching the Digital Technologies?

This course is directly applicable to school teachers grappling with Computational Thinking which has been introduced into the Digital Technology learning area and Hangarau Matihiko curriculum (including NCEA) since 2018. Two courses specifically focus on the needs of Digital Technologies teachers: EDEM 626 and EDEM 665.

### Suggested pathway

Postgraduate Certificate in Education (60 pts)	Postgraduate Diploma in Education (Digital Education Futures) (120 pts)	Masters of Education (Digital Education Futures) (180 pts)
EDEM626	EDEM626	EDEM626
EDEM665	EDEM665	EDEM665
	EDEM630	EDEM630
	EDME601	EDME601
		EDME602
		EDEM633*

\*suggested course other option includes EDEM628

Each block represents 30 points (0.25 EFTS) course

### EDEM626 Implementing Computational Thinking in the Curriculum (Level 8)

The Technological area of Computational Thinking was introduced to the New Zealand Curriculum and Te Marautanga o Aotearoa for primary and secondary schools and kura in 2018. This course is designed to equip participants to teach relevant Computational Thinking topics to students in schools and kura, from primary school to NCEA. Each of the main topics will be critically examined in terms of pedagogical and subject knowledge while at the same time developing teachers' understanding of theoretical perspectives of Computational Thinking. Participants will develop through investigating theories and practices in Digital Technologies education and industry. A key component is an individual research project to develop, implement and critically evaluate a resource to develop students' computational thinking. The course does not cover the teaching of computer programming or learning to program a computer.

### EDEM665 Teaching Computer Programming (Level 8)

This course aims to equip participants to teach programming as part of the Digital Technology learning area and Hangarau Matihiko curriculum, including NCEA. The Technological area of Computational Thinking for digital technologies was introduced into the New Zealand Curriculum and Te Marautanga o Aotearoa for primary and secondary schools and kura in 2018. Students will explore what computer programming is, and various approaches to teaching it. Students are normally primary and secondary teachers or those who lead the services for such students including professional development of teachers. They will develop research skills and investigate theories and practices in programming education. A key component is an individual research project to develop, implement and critically evaluate their teaching of programming. Although this course does not teach students to program, it can extend students' programming skills.

### Optional Courses

The MEd by coursework requires at least 45 points from the MEd Schedule B (Level 9 courses). The PGDipEd (Digital Education Futures) may include 30 points from outside the endorsement

area selected from MEd Schedule A. Please refer to our website for details of MEd Schedules [www.canterbury.ac.nz/regulations/academic-regulations/](http://www.canterbury.ac.nz/regulations/academic-regulations/) Admission criteria Applicants must normally hold a Bachelor's degree in Education, Psychology or a related field or any other degree from a New Zealand university and a recognised professional teaching qualification, or equivalent. Students are normally expected to have a B average or better in their qualifying programme of study for the PGDipEd or a B+ for the MEd. Students who do not meet the above entry requirements but instead are able to demonstrate extensive, practical and professional or scholarly experience of an appropriate kind may also be eligible to apply. Please refer to the UC Calendar ([www.canterbury.ac.nz/regulations/](http://www.canterbury.ac.nz/regulations/)) for official University regulations and policies for this programme.

### Pathways

Students who have completed the MEd (Digital Education Futures) via the research pathway may apply for doctoral study. UC offers a PhD in Education and a Doctor of Education programme.

### Duration

The MEd (Digital Education Futures) may be completed full-time over a maximum period of up to three years, or part-time over a maximum period of up to five years. The PGDipEd (Digital Education Futures) may be completed over one year full-time or up to a maximum of four years part-time.

### Fees

Please refer to our website for up to date fees information [www.canterbury.ac.nz/get-started/fees/](http://www.canterbury.ac.nz/get-started/fees/)

### Scholarships

You may be eligible to apply for a scholarship or fee waiver. Criteria and forms can be found on the college web site [www.canterbury.ac.nz/education/scholarships-and-fee-waivers/](http://www.canterbury.ac.nz/education/scholarships-and-fee-waivers/)

### Enrolment

For information about enrolling in postgraduate programmes in Education at UC visit [www.canterbury.ac.nz/education/qualificationsand-courses/teacher-education/postgraduate-study/](http://www.canterbury.ac.nz/education/qualificationsand-courses/teacher-education/postgraduate-study/)

You will also need to Apply To Enrol in your chosen courses online <https://myuc.canterbury.ac.nz/>. Course enrolments open in October.

### For general enrolment information

visit [www.canterbury.ac.nz/enrol/](http://www.canterbury.ac.nz/enrol/)

### e-Learning Endorsement Coordinator

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