# GCDT20- Graduate Certificate of Digital Transformation and Creative Intelligence

## 1. About the Graduate Certificate of Digital Transformation and Creative Intelligence

The aim of the Graduate Certificate of Digital Transformation and Creative Intelligence is to expand on our current Post Graduate course offering through the development of a suite of Micro-credentials that will make up a Graduate Certificate qualification.

The course addresses demonstrated industry demand for professionals with a range of broad skills that are needed to address the rapid demand of industries confronted with Digital Transformation. How to create a fluid, agile approach to people, process and platforms for organisations to thrive in 2020 and beyond?

A student of Digital Transformation will require a broad range of knowledge and skills across a range of areas to meet the needs of the work environment, and by using Micro-credentials we are able to offer double the number of subject selections (eight as opposed to four) than in the standard number of subjects in a current Graduate Certificate.

The unique character of the course is that it consists solely of a group of eight Micro-credentials.

The government's recent review of the Australian Qualifications Framework noted that qualifications need to respond to current and emerging workforce and social needs, be delivered in ways that meet learners' needs and circumstances, and be trusted by learners, employers and the community generally. The market for new forms of credentialing (such as micro-credentials) is growing rapidly but there is debate as to how to incorporate and align them with more traditional formal qualifications.

The benefits of micro-credentials are:

- They provide a specific, stackable credit so that learners have flexibility in sourcing learning, and can build their micro-credentials into a larger, and more recognisable, aggregated award.
- They provide a means of evidencing not only learning or competence credited by other institutions, but can also include those attained in the workplace or in other forms of informal learning.
- They can provide an evidence base for graduate attributes typically not referenced in degree transcripts, particularly small, discreet components of learning and so-called soft skills and specific specialist professional skills and competencies.
- They can be applied to standards-based competencies associated with professional practice and continuing professional development.

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We believe that in this instance Micro-credentials are the best solution to meet the needs of those who will be interested in this course. A Micro-credential represents a shorter time frame in Volume of Learning. Each Micro-credential is 60 hours in total as opposed to 120 hours in a standard subject. However, the course in its' entirety totals 480 hours Volume of Learning which equates with a standard Graduate Certificate at TUA.

The aim of the qualification is to provide graduates with the following 'soft' skills:

- Analytical Reasoning
- Digital Literacy
- Creative and Critical Thinking
- Technologically Agnostic
- Adaptability and Flexibility
- Research Skills
- Business Storytelling
- Time Management
- Leadership Skills
- Strategic Skills
- Ability to "join the dots"

The unique selling point of this course is that it will combine a focus on applying these 'soft' skills with an understanding of 'hard' technical skills in areas such as:

- Data Analytics
- Artificial Intelligence
- Cyber-security
- User Experience
- Design Thinking
- Creative Intelligence

In this context we see the creative component of the course as not just that which is embodied in an obvious context such as Design Thinking but rather that which is contained in a series of subjects. Students will develop their problem-solving skills in a broad range of areas of study and will learn to view problems through a series of different perspectives, viewpoints or lenses.

Students will gain vital problem-solving skills that can be applied in work environments confronting Digital Transformation. They will also develop business storytelling skills and presentation skills to address a wide variety of audiences. They will be able to put on different hats or "join the dots" as needed.

The course also embeds a consideration of the ethics of the field and a focus of issues of social responsibility. Students will look at the future of work in the context of Digital Transformation from a managerial perspective.

## Graduate employment opportunities

The Graduate Certificate in Digital Transformation and Creative Intelligence provides graduates with a range of skills and knowledge to potentially gain mid-level employment in Digital Transformation team and management roles, such as (not limited to):

- Digital Transformation Consultant
- Transformation Manager
- Entrepreneur
- Organisational Designer
- A Generalist "join the dots" employee

## Course Overview

| Course Title | Graduate Certificate of Digital Transformation and Creative Intelligence | | |
|---|---|---|---|
| Study Options – Domestic Australian students | Face to Face Delivery <br><br> Online delivery <br><br> Full-time and part-time options available. | Study Options – International students | International students on a student visa must not enroll into any more than a third or 33% of online subjects over their course and must study at least one subject that is face to face in each trimester. <br><br> International students on a student visa are required to study full time, i.e. the student must complete a minimum of 1.0 EFTSL of study per year. |
| Start Dates | February, June, September <br><br> For specific dates visit the website. | Course Length | Full-time: 2 Trimesters <br><br> Part-time: 4 Trimesters |
| Payment Options - Domestic Australian students | **Upfront payment** <br> This means tuition fees will be invoiced each semester and payment is required on or before the due date. <br><br> **FEE-HELP** <br> FEE-HELP is Australian Government's loan scheme for higher education degree courses. It can assist you in paying for all, or part of, your course fees. Repayments commence via the tax system once your income rises above a minimum threshold. Just like with any other debt, a FEE-HELP debt | Payment Options – International students | **Upfront payment** <br> This means tuition fees will be invoiced each semester and payment is required on or before the due date. |

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| | | | |
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| | is a real debt that impacts your credit rating. | | |
| **Course study requirements** | Each subject involves 10 hours of study per week, comprising 3 hours of facilitated study and 7 hours self-directed study. | **Assessment** | Practical assignments, research projects, presentations. |
| **Locations** | Sydney<br><br>Online | **Delivered by** | Torrens University Australia |
| **Provider** | Torrens University Australia Ltd is registered as a self-accrediting Australian university by the Tertiary Education Quality and Standards Agency (TEQSA). | **CRICOS Course Code** | 105275M |
| **Provider obligations** | Torrens University is responsible for all aspects of the student experience, including the quality of course delivery, in compliance with the *Higher Education Standards 2015* | **Accrediting body** | Torrens University Australia Ltd |
| **Course Fees** | For details, refer to the website. | **Any other fees** | For details, refer to the website. |

## 2. Essential requirements for admission

The general admission criteria that apply to Torrens University Australia courses can be located by visiting the Torrens University Australia website - https://www.torrens.edu.au/general-admission-information-for-torrens-university-australia-ltd.

## 3. Admission Criteria

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| Title of course of study | Graduate Certificate of Digital Transformation and Creative Intelligence |
|---|---|
| Applicants with higher education study | The standard entry requirement is a completed qualification at AQF Level 7 (Bachelor degree) or above from an Australian University in a relevant field of study or an equivalent overseas higher education qualification or equivalent. |
| Applicants with vocational education and training (VET) study | N/A |
| Applicants with work and life experience | Students without an undergraduate degree, may be admitted to the Graduate Certificate on the basis of<br>• at least 3 years' professional work experience in a relevant field (documented e.g. CV), demonstrating a reasonable prospect of success;<br>AND<br>• a discipline specific portfolio (if applicable); AND<br>• a recommendation letter from 2 most recent employers |
| English Language Proficiency<br>(applicable to international students, and in addition to academic or special entry requirements noted above) | IELTS level 6.5 required, with no element less than 6 (or equivalent TOEFL, CAE or PTE). |
| Applicants with recent secondary education (within the past two years) with ATAR or equivalent*<br>(for applicants who will be selected wholly or partly on the basis of ATAR) | N/A |

## Other admission options
*(For applicants who will be selected on a basis other than ATAR)*

| Special Entry | Special Entry Requirements allow entry to prospective students whose previous background demonstrates capacity to undertake study at this level. Explicit entry criteria have been established by which prospective students are assessed, and are published on the Torrens University website. |
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## 4. How to apply

Via direct application to the institution

- o https://apply.torrens.edu.au/

## 5. Advanced standing/academic credit/recognition of prior learning (RPL)

You may be entitled to credit for prior learning, whether formal or informal. Formal learning can include previous study in higher education, vocational education, or adult and community education. Informal learning can include on the job learning or various kinds of work and life experience. Credit can reduce the amount of study needed to complete a degree.

Applicants admitted based on prior higher education study may be eligible for Advanced Standing in the form of credit and/or recognition of prior learning (RPL) under the Torrens University Australia Credit Policy - (https://www.torrens.edu.au/policies-and-forms).

- Students with completed subjects may be eligible for specified credit and/or elective exemptions
- Students who have completed a qualification at AQF level 5 (diploma) or above may be eligible for block credit (where a block credit agreement exists)
- Students with a mix of formal study and informal and/or non-formal learning may be eligible for recognition of prior learning in addition to any credit approved.

Credit will not be applied automatically. Applicants must apply for credit and/or RPL as early as possible prior to each study period, with applications not accepted after week 2.

For further information about credit and recognition of prior learning please see http://www.torrens.edu.au/apply-online/course-credits.

## 6. Where to get further information

- Torrens University Australia (TUA) Website
  - o https://www.torrens.edu.au/
- Universities Admissions Centre (UAC) Website
  - o http://www.uac.edu.au/
- Quality Indicators for Learning and Teaching (QILT) Website
  - o https://www.qilt.edu.au/

## 7. Additional Information

### Course Structure
The course structure comprises of 5 Micro-credential core subjects at level 400 and three Micro-credential elective subjects at level 400.

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*Electives available to students may be chosen from the elective bank (please refer to the Course Structure on the Student HUB) or can be taken from any Torrens University course at the appropriate level with approval from the Program Director (or delegate).

## Course Rules

To be awarded the Graduate Certificate in Digital Transformation and Creative Intelligence, students must complete 40 credit points over eight Micro-credentials at AQF 8 as outlined in the course structure. Each Micro-credential has a value of five credit points.

## Subjects

| SUBJECT DETAILS |
|---|
| SUBJECT TITLE, DESCRIPTOR |
| LEVEL 400 |
| **DTR400- Digital Transformation** |
| This Micro-credential offers students an understanding of the future of the work landscape, how technology has defined and continues to redefine it through the process of digital transformation. Students develop knowledge, skills and attributes appropriate to that landscape; both from the perspective of employability as well as in terms of leadership and strategic thinking. New technologies and how they are interlinked under the umbrella of this subject Digital Transformation are explored. Students are exposed to innovative work practices and frameworks, and their associated techniques and processes, drawing on insights from multiple disciplines to articulate findings and recommendations. Students develop skills in business storytelling and the ability to deliver impactful presentations. |
| **DEST400- Design Thinking and Creative Intelligence** |
| In this Micro-credential students will explore the Design Thinking and Creative Intelligence methodology as a framework for creative problem solving within the context of Digital Transformation. Students will navigate the iterative design process of understanding using the lens of empathy, ideation, development and delivery. This subject encourages students to develop problem solving skills through the application of both creative and critical thinking skills and will explore concepts such as convergent and divergent thinking processes. Students explore the strategic thinking and entrepreneurial skills that are required for successful leadership and implement an effective work practice within an interdisciplinary group, applying the methods, processes, and tools of problem-based learning to demonstrate autonomy, collaboration, and well-developed judgment and responsibility in a Digital Transformation. |
| **DAAI400- Data Analytics and Artificial Intelligence** |
| This Micro-credential introduces students to the areas of Data Analytics and Artificial Intelligence. They will gain insight into basic knowledge representation, problem solving techniques and explore data science processes, data ingestion, cleansing, and transformation fundamentals that turn data analytics into insights to drive decision making. Students learn techniques and best practices in the analysis of data sets which are useful for crucial organisation decisions. They will explore how data and tools can be used to solve complex, real-world business problems through the application of machine learning, algorithms and other Artificial Intelligence techniques. Students are also challenged to understand the ethical and privacy issues related to machine learning and artificial intelligence. |
| **DTCS400- Cybersecurity** |
| This micro-credential introduces key concepts of Cyber Security such as confidentiality, integrity and availability. Students will explore the scale of the Cyber Security challenge globally, including the social factors informing individual, organisational, and international attitudes towards Cyber Security. Recent trends impacting the threats and vulnerabilities that are having a global impact and causing business disruptions are examined. Globally recognised frameworks that businesses employ to address Cyber Security exposure are explored and potential solutions addressing organisational Cyber Security issues are analysed. |

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| SUBJECT DETAILS |
| --- |
| **SUBJECT TITLE, DESCRIPTOR** |

**DTUX400- User Experience**

This Micro-credential develops conceptual knowledge and skills in User Experience Design. Students will use industry standard User Experience Design research methods to analyse both audience and content requirements. They will examine qualitative and quantitative research methods and will explore personas, mental models, customer journeys and user touchpoints. Students will develop their knowledge and skillset in terms of creating usable and user-cantered design experiences and will gain insight into the processes that lead to improved User Experience and its application in both physical and online environments.

**ELECTIVE BANK (includes but is not limited to the following)**

**DTIT400- The Internet of Things**

This Micro-credential introduces the concept of the Internet of Things (IoT) and of the underlying connections between people, process and platforms that can drive the digital transformation of organisations. Students will be introduced to the key technological components underpinning IoT and how their implementation can serve a business strategy by increasing organisational efficiencies, improving coordination and driving productivity. Students will gain the capacity to articulate how key IoT technologies can improve organisational productivity and add value, to recommend strategies for developing the necessary skills and foundational capabilities to support the implementation of IoT technologies within an organisation and to create a road map for the implementation of IoT in a business context.

**DTCC400- Cloud Computing**

This Micro-credential explores core concepts of Cloud Computing. Students will be introduced to cloud service infrastructure, architecture and cloud economics. They will be exposed to different cloud facilities including storage services, database services, computing services, security measures, networking basics and content delivery. Additionally, scaling and monitoring will be examined in order to perform load balancing tasks for an effective cloud architecture.

**DTBC400- Blockchain**

This Micro-credential examines the core concepts and principles of Blockchain and of its potential emerging trends in areas such as financial services, smart contracts, supply chain logistics and other fields where an open, distributed ledger that can record transactions between two parties efficiently and in a verifiable and permanent way may be useful. While not offering an examination of the deeper mathematical and cryptographic principles underlying Blockchain technology, students will gain an understanding of the fundamentals and potential impacts of Blockchain to implement a 'secure by design' distributed computing system with high fault tolerance. This will provide a deeper understanding of the capabilities and limitations of blockchain technology, enabling students to assess which business problems it can potentially solve.

**DTAM400- Agile Mindset**

This Micro-credential introduces the principles of Agile Mindset methodologies for Project Management. Agile Mindset uses an iterative process that breaks down projects into small pieces that are completed in work sessions that run from the design phase to testing and quality assurance (QA). Agile Mindset is a project management methodology that involves securing client feedback in every step of the project development process. Students will critically evaluate a range of Agile Mindset methods and their suitability to particular types of projects. They will examine the processes, tools and artefacts used in Agile Mindset project management and discover which methods are most appropriate to the particular problems to be solved and how they can best contribute to project success.

## Locations

The Graduate Certificate of Digital Transformation and Creative Intelligence can be studied fully online or at the below Torrens University Campus:

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Level 1, 46-52 Mountain Street, Ultimo NSW 2007

## Campus Facilities and Services

All campuses are designed to provide students with professional spaces in which to learn and work. They have been planned with student study needs in mind with well-equipped accessible learning spaces as well as student breakout areas for group work and spending time with friends.

Facilities and Services include:

- The Customer Service Hub – our friendly and experienced staff can give help and advice about courses, your enrolment and campus life, including all services and activities on campus.
- Counsellors are available for students to consult with on a range of personal issues
- Student wireless access throughout the Campus
- Student break-out and relaxed study spaces for group work
- Student lounge areas – most with microwaves, kitchenette facilities and vending machines
- The Learning Hub, home to the Learning Support Team, encompasses Learning Skills Advisors, Learning Technology Advisors, and Library & Learning Skills Officers. It provides an integrated, holistic support program for students throughout the study lifecycle within a library/collaborative study environment.
  The service includes:
    - Support and workshops with highly qualified staff in the areas of Academic skills, Library skills, and Technology skills, both on campus and online.
    - Physical and digital resources relevant to studies, such as books, journals, multimedia, databases
    - Self-check kiosks for library loans and print and copy facilities

## A positive student experience

Torrens University Australia values the importance of a positive student experience, and therefore has robust processes to resolve student complaints.  The Student Complaints Policy, and associated procedures, can be accessed from the website (https://www.torrens.edu.au/policies-and-forms).

## Paying for your qualification

We offer two payment options for this course:

- **Upfront payment**
  If you want to complete your qualification debt-free you can choose to pay as you go. This means tuition fees will be invoiced each semester and payment is required on or before the due date using EFTPOS, credit card or direct transfer.

- **FEE-HELP**
  FEE-HELP is Australian Government's loan scheme for higher education degree courses. It can assist you in paying for all, or part of, your course fees. Repayments commence via the tax system once your income rises above a minimum threshold ($45, 881 in 2019-20). Just like with any other debt,
  a FEE-HELP debt is a real debt that impacts your credit rating.

Further information about FEE-HELP, including eligibility, is available at:
  - FEE-HELP website:

http://studyassist.gov.au/sites/studyassist/helppayingmyfees/fee-help/pages/fee-help-

- o FEE-HELP booklets:
  http://studyassist.gov.au/sites/studyassist/helpfulresources/pages/publications

**Austudy and Abstudy**

Students enrolled in this course may be eligible for government assistance, such as Austudy or Abstudy.

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