

GCCS22 – Graduate Certificate of Cybersecurity

1. About the Graduate Certificate of Cybersecurity

The Graduate Certificate of Cybersecurity (GCCS) is an AQF 8 qualification comprised of fundamental IT skills. In addition to core IT skills, the course ensures a sound foundation of software and data security, and principles of cybersecurity in business practice required for a successful career in the field of cybersecurity.

Due to the approach of the course, founded on extensive industry consultations, students can pathway into the Graduate Diploma, Master and Master Advanced equipping themselves with a mixture of innovative application skills, cognitive and technical abilities.

The Graduate Certificate of Cybersecurity is developed to address the needs of a rapidly evolving industry and as such serves as an exit qualification from Graduate Diploma of Cybersecurity, Master of Cybersecurity and Master of Cybersecurity (Advanced) courses.

Graduates will have a combination of skills and knowledge additional to cybersecurity fundamentals enabling them gain entry in the field of ICT security professionals.

Graduate employment opportunities

The Graduate Certificate of Cybersecurity provides graduates with the capability to seek professional level employment in either generalist or supporting roles found within the IT and cybersecurity industries.

Examples include:

- Cybersecurity Technician
- Security Control Assessment Analyst
- Information System Security Officer
- Information Security Analyst

Course Overview

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| Course Title | Graduate Certificate of Cybersecurity (GCCS22) | | |
| Study Options – Domestic Australian students | Face to Face delivery Online delivery 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. 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 For specific dates visit the website . | Course Length | Full-time: 1 trimester Part-time: 1 years |
| Payment Options - Domestic Australian students | Upfront payment This means tuition fees will be invoiced each semester and payment is required on or before the due date. 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. Just like with any other debt, a FEE-HELP debt is a real debt that impacts your credit rating. | Payment Options – International students | Upfront payment This means tuition fees will be invoiced each trimester and payment is required on or before the due date. <i>Further information within this Course Information Sheet</i> |
| 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 | Process/Project Documentation, Application Outcome, Reflective Journal/Blog, Report/Essay, Presentation/Pitch, Examinations/Tests/Quizzes, Investigation, Collaboration, Simulated computing and network modeling and security testing |
| Locations | Sydney, Melbourne, Brisbane, Adelaide, Online | Delivered by | Torrens University Australia |

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| 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 | |
| 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

| Title of course of study | Graduate Certificate of Cybersecurity |
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| Applicants with higher education study | <ul style="list-style-type: none"> The standard entry requirement is a completed qualification at AQF Level 7 (Bachelor degree) or above from an Australian University (or at an equivalent overseas higher education) in Information Technology, Business Information Systems or relevant disciplines. |
| Applicants with vocational education and training (VET) study | N/A |
| Applicants with recent secondary education (within the past two years) with ATAR or equivalent | N/A |
| Applicants with work and life experience | Demonstrated ability to undertake study at the required level: <ul style="list-style-type: none"> broadly relevant work experience in Information Technology (documented e.g. CV), demonstrating a reasonable prospect of success; OR formal, informal or non-formal study, completed or partially completed, demonstrating a reasonable prospect of success; OR written submission to demonstrate reasonable prospect of success. |
| English Language Proficiency (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). |

Other admission options

(For applicants who will be selected on a basis other than ATAR)

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| Special Entry | N/A |
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4. How to apply

- [Via direct application to the institution](#)
- <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
 - <https://www.torrens.edu.au/>
- Universities Admissions Centre (UAC) Website
 - <http://www.uac.edu.au/>
- Quality Indicators for Learning and Teaching (QILT) Website
 - <https://www.qilt.edu.au/>

7. Additional Information

Course Structure

The course structure comprises of 4 core subjects over levels 400 and 500, as follows:

- Level 400: 2 mandatory core subjects (20 credit points)
- Level 500: 2 mandatory core subjects (20 credit points)

Course Rules

To be awarded the Graduate Certificate of Cybersecurity, students must complete 40 credit points over 4 subjects as outlined in the course structure above. Each subject has a value of 10 credit points.

Subjects

| SUBJECT DETAILS |
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| SUBJECT TITLE, DESCRIPTOR |
| LEVEL 400 |
| <p>NDS441 – Network Design and Security</p> <p>In Network Design and Security, students will be introduced to principles of network communications, topologies, and security protocols. Contemporary and advanced techniques for managing and protecting computing networks will be explored to ensure the protection of commercially processed data and their supported applications. Students will be given an opportunity to design and evaluate a contemporary computing network with a focus on next generation firewalls, threat management systems, and advanced access management, and present network design and security strategies to protect the business against emerging cybersecurity attacks.</p> |
| <p>CPO442 – Cybersecurity Principles and Organisational Practice</p> <p>This subject introduces students to cybersecurity principles with a focus on the human factors involved and their consequences on business operations. IT risk management, security strategies and governance will be explored to protect both end-users and business operations. Students will plan, develop and communicate a cybersecurity strategy for an enterprise with consideration of human behaviours, system requirements and operational assurance.</p> |
| LEVEL 500 |
| <p>MIS501 – Principles of Programming</p> <p>This subject introduces students to programming as a tool for developing systems and addressing business needs. Students will learn Unified Modelling Language (UML) and Integrated Development Environment (IDE) to design, create, compile, test and run programs, applying object-oriented concepts to construct classes and methods to solve organisational problems. This subject will be tailored to student's levels of expertise and expose students to an object-oriented programming language(s). Furthermore, it will equip students with the skills to assess and apply requirements in business environments.</p> |
| <p>SWF541 – Software Fortress and Web Protection</p> <p>Software Fortress and Web protection introduces students to the tools and methodologies to secure software and web applications against external threats and internal risks. Important topics will be explored, such as advanced risk management in software systems, development of resilient systems to safeguard data and applications, and sustained protection of users and data against emerging cybersecurity attacks. Upon completion of this subject, the students have the skills and knowledge needed to develop sustainable and dependable software and web systems according to the industry standards.</p> |

Locations

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The Graduate Certificate of Cybersecurity can be studied fully online or at the below Torrens University Campuses:

- Sydney: 46-52 Mountain Street, Ultimo NSW Australia 2007
- Melbourne: 196 Flinders St, Melbourne, VIC 3000
- Adelaide: 82-98 Wakefield Street, Adelaide, SA, 5000
- Brisbane: 90 Bowen Terrace, Fortitude Valley, QLD 4006
- Online

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 \(https://www.torrens.edu.au/policies-and-forms\)](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. 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/help-payingmyfees/fee-help/pages/fee-help-)
<http://studyassist.gov.au/sites/studyassist/help-payingmyfees/fee-help/pages/fee-help->
- [FEE-HELP booklets:](http://studyassist.gov.au/sites/studyassist/helpfulresources/pages/publications)
<http://studyassist.gov.au/sites/studyassist/helpfulresources/pages/publications>

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Austudy and Abstudy

Students enrolled in this course may be eligible for government assistance, such as [Austudy](#) or [Abstudy](#).