

Master of Information and Communications Technology



Online, Semester 1 2022

Program structure

Required courses (13) 180 units

SEC601 Introduction to Cybersecurity
SEC602 Ethics in Digital Investigation and Cyber Security
SEC603 Introduction to Device & Network Security
SEC604 Cryptography, Blockchain and Security
ICT701 Managing Data
ICT702 Data Visualisation
ICT703 Programming
ICT704 Databases
ICT706 Machine Learning
INF701 Management Informatics
PRM701 Project Management Principles
SCI700 Research/Industry Dissertation 1
SCI701 Research/Industry Dissertation 2

PLUS select 1 course (12 units) from:

BUS512 Introduction to Research Concepts and Design
BUS514 Qualitative Research Methods
BUS515 Applied Quantitative Research Methods
HLT701 Qualitative Research: Approaches and Practice
PUB708 Quantitative Research Methods

Note: Program structures are subject to change. Not all USC courses are available on every USC campus.

Total units: 192

Study sequence

This Master of Information and Communications Technology (MICT) Recommended Study Sequence is for students commencing in the current semester.

Year 1

Semester 1

COURSE	SEMESTER OF OFFER (ONLINE)	UNITS	REQUISITES
SEC601 Introduction to Cybersecurity	• Semester 1, Semester 2	12	Pre: Enrolled in Program SC509, SC517, BU708 or SC705

usc.edu.au/bu708

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Study options and teaching period of offer can vary depending on the study location. For full details, visit usc.edu.au.

SEC602 Ethics in Digital Investigation and Cyber Security	• Semester 1	12	Pre: Enrolled in Program SC509, SC517, BU708 or SC705.
ICT701 Managing Data	• Session 3	12	Pre: Enrolled in a Postgraduate Program
INF701 Management Informatics	• Session 2	12	Pre: Enrolled in any PGRD Program or (enrolled in Program SC410 or SC411 and 280 units completed towards either of these programs)

Semester 2

COURSE	SEMESTER OF OFFER (ONLINE)	UNITS	REQUISITES
SEC603 Introduction to Device & Network Security	• Semester 2	12	Pre: Enrolled in Program SC509, SC517, SC705 or BU708
SEC604 Cryptography, Blockchain and Security	• Semester 2	12	Pre: Enrolled in SC509, SC517, SC705 or BU708
ICT702 Data Visualisation	• Session 6	12	Pre: Enrolled in a Postgraduate Program
ICT703 Programming	• Semester 2	12	Pre: Enrolled in a Postgraduate Program

Year 2

Semester 1

COURSE	SEMESTER OF OFFER (ONLINE)	UNITS	REQUISITES
ICT704 Databases	• Semester 1	12	Pre: ICT701 and enrolled in a Postgraduate Program.
ICT706 Machine Learning	• Semester 1	12	Pre: ICT703
PRM701 Project Management Principles	• Session 3	12	Pre: Enrolled in any PGRD Program or (enrolled in Program SC410 or SC411 and 280 units completed towards this Program)

PLUS select course from:

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COURSE	SEMESTER OF OFFER (ONLINE)	UNITS	REQUISITES
BUS512 Introduction to Research Concepts and Design	• Semester 1	12	Pre: Enrolled in any honours program or postgraduate coursework program
BUS513 The Literature Review	• Semester 1	12	Pre: Enrolled in any honours program or postgraduate coursework program
BUS514 Qualitative Research Methods	• Semester 1	12	Pre: Enrolled in any honours program or postgraduate coursework program

Semester 2

COURSE	SEMESTER OF OFFER (ONLINE)	UNITS	REQUISITES
SCI700 Research/Industry Dissertation 1	• Semester 1, Semester 2	24	Pre: Course Coordinator Consent Required and enrolled in any PGRD Program
SCI701 Research/Industry Dissertation 2	• Semester 1, Semester 2	24	Pre: Course Coordinator Consent Required and enrolled in any PGRD Program

Program requirements and notes

Program requirements

In order to graduate you must:

- Successfully complete 192 units as outlined in the Program Structure

Program notes

- Completing this program within the specified (full-time) duration is based on studying 48 units per semester (normally 4 courses) and following the recommended study sequence
- The unit value of all courses is 12 units unless otherwise specified
- It is each student's responsibility to enrol correctly according to your course requisites, program rules and requirements and be aware of the academic calendar dates
- Courses within this program are assessed using a variety of assessment methods which may include essays, seminar presentations, reports, in-class tests and examinations
- Refer to the Managing your progression page for help in understanding your program structure, reviewing your progress and planning remaining courses.

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