COURSE OUTLINE

SEC702 Cyber Intelligence

School: School of Science, Technology and Engineering

2026 | Semester 1

Online	ONLINE	You can do this course without coming onto campus, unless your program has specified a mandatory onsite requirement.

Please go to unisc.edu.au for up to date information on the teaching sessions and campuses where this course is usually offered.

1. What is this course about?

1.1. Description

In this online course, you will learn about the conduct of open source intelligence collection, and the measures used by criminals to conceal and obfuscate their online identities and activities. You will learn about useful software applications and tools, identity exploitation and techniques, online cyber tradecraft, markets and currencies: all integral skills in the development of a professional cyber investigator.

1.2. How will this course be delivered?

ACTIVITY	HOURS	BEGINNING WEEK	FREQUENCY
ONLINE			
Tutorial/Workshop 1 – The tutorial is delivered through Zoom each week	1hr	Week 1	13 times
Online – Content is delivered through Sway and Blackboard plus outside readings	5hrs	Week 1	13 times

1.3. Course Topics

1 Cyber intelligence and open source intelligence basics
2 OSINT collection techniques – Web exploitation
3 OSINT collection techniques - Online and automated tools
4 Identity management
5 Identity management
6 Identity management
7 OSINT collection techniques – Finding people
8 OSINT collection management
9 Introduction to online illicit markets
10 Introduction to online illicit markets
11 Introduction to online illicit marketplaces - Payment systems
12 Personal device management strategies
13 Device security

2. What level is this course?

700 Level (Specialised)

Demonstrating a specialised body of knowledge and set of skills for professional practice or further learning. Advanced application of knowledge and skills in unfamiliar contexts.

3. What is the unit value of this course?

12 units

4. How does this course contribute to my learning?

COURSE LEARNING OUTCOMES On successful completion of this course, you should be able to...		GRADUATE QUALITIES Completing these tasks successfully will contribute to you becoming...
1	Plan a strategy to collect OSINT while maintaining operational security	Empowered
2	Apply open source collection techniques used by cyber investigators	Empowered
3	Develop online tradecraft skills to conceal intent and obfuscate your identity to facilitate online collection of investigatory information.	Empowered
4	Recognise and mitigate vulnerabilities In Identity data and Personal Electronic Devices (PEDs).	Empowered
5	Perform identify resolution to authenticate and differentiate online identities and analyse findings .	Creative and critical thinker
6	Detect illicit online behaviour	Knowledgeable
7	Communicate online investigatory findings and competencies	Engaged

5. Am I eligible to enrol in this course?

Refer to the UniSC Glossary of terms for definitions of “pre-requisites, co-requisites and anti-requisites”.

5.1. Pre-requisites

Enrolled in SC510, SC517 or SC704

5.2. Co-requisites

SEC701

5.3. Anti-requisites

Not applicable

5.4. Specific assumed prior knowledge and skills (where applicable)

Students will be assumed to understand how the Internet operates and its role in society. They will be expected to have a working knowledge of computer systems and networks

5.5. Microcredential Information

Not applicable

6. How am I going to be assessed?

6.1. Grading Scale

Limited Grading (PNP)

Pass (PU), Fail (UF). All assessment tasks are required to be passed for successful completion of the course.

6.2. Details of early feedback on progress

Using marking rubrics, students will participate in continuous peer and self-assessment during tutorials

6.3. Assessment tasks

DELIVERY MODE	TASK NO.	ASSESSMENT PRODUCT	INDIVIDUAL OR GROUP	WHAT IS THE DURATION / LENGTH?	WHEN SHOULD I SUBMIT?	WHERE SHOULD I SUBMIT IT?
All	1	Artefact - Technical and Scientific, and Written Piece	Individual	2000 words equivalent	Week 4	Online Submission
All	2	Artefact - Technical and Scientific	Individual	1,500 words equivalent	Week 7	Online Submission
All	3	Artefact - Technical and Scientific, and Written Piece	Group	3,000 words equivalent	Refer to Format	Online Submission

All - Assessment Task 1: Digital Identity Portfolio

GOAL:	The goal of this task is to demonstrate basic knowledge of search engines, search techniques, and the implications of online identity information.
PRODUCT:	Artefact - Technical and Scientific, and Written Piece
AUTHORSHIP STATEMENT:	
FORMAT:	This task will involve developing and mastering a number of basic online open source collection techniques while maintaining privacy and protecting personal data from being collected by adversaries. Students will provide a written assessment of their online presence using a template provided.
CRITERIA:	

No.		Learning Outcome assessed
1	Application of open source collection techniques	
2	Development of tradecraft skills	
3	Recognition and mitigation of vulnerabilities	
4	Communication of competencies	
5	Assessment criteria are mapped to the course learning outcomes.	1 2 3 4 5 6 7

GENERIC SKILLS:	

All - Assessment Task 2: Collection Planning

GOAL:	The goal of this task is to demonstrate your understanding in the development of an online collection plan and identifying the necessary resources and requirement to deliver an effective collection effort in support of organisation requirements.
PRODUCT:	Artefact - Technical and Scientific
AUTHORSHIP STATEMENT:	
FORMAT:	You will develop an online collection plan using a prepared template to identify the required resources and techniques to target and collect against a specific topic provided by the instructor or of your choosing.
CRITERIA:	**No.** — **Learning Outcome assessed** 1 — Planning, resourcing and preparing a collection effort 2 — Application of open source collection techniques 3 — Development of tradecraft skills 4 — understanding of how and where data can be located and collected
GENERIC SKILLS:	

All - Assessment Task 3: Open Source Collection Management

GOAL:	The goal of this task is to demonstrate mastery and understanding of open source intelligence collection while protecting personal data from adversarial collection.
PRODUCT:	Artefact - Technical and Scientific, and Written Piece
AUTHORSHIP STATEMENT:	
FORMAT:	You will produce evidence of your ability to identify sources of information, the tools and techniques needed to collect and harvest the information, analyse the results and report the findings. Submit: week 14
CRITERIA:	**No.** — **Learning Outcome assessed** 1 — Application of open source collection technique 2 — Analysis of collection results 3 — Preparation of data collection strategy 4 — Communication of findings
GENERIC SKILLS:	

7. Directed study hours

A 12-unit course will have total of 150 learning hours which will include directed study hours (including online if required), self-directed learning and completion of assessable tasks. Student workload is calculated at 12.5 learning hours per one unit.

8. What resources do I need to undertake this course?

Please note: Course information, including specific information of recommended readings, learning activities, resources, weekly readings, etc. are available on the course Canvas site– Please log in as soon as possible.

8.1. Prescribed text(s) or course reader

You need regular access to the resource(s) below. Many texts are available as ebooks through the Library at no additional cost.

REQUIRED?	AUTHOR	YEAR	TITLE	EDITION	PUBLISHER
Required	Bazzell, Michael	2017	Personal Digital Security	n/a	n/a
Required	Michael Bazzell	2019	Open Source Intelligence Techniques	7th	Michael Bazzell
Required	Michael Bazzell	2019	Extreme Privacy	1st	Michael Bazzell

8.2. Specific requirements

This is an online course and will require access to a personal computer with systems administrator rights, laptop or tablet and access to the Internet for at least 10 hours per week.

9. How are risks managed in this course?

Health and safety risks for this course have been assessed as low. It is your responsibility to review course material, search online, discuss with lecturers and peers and understand the health and safety risks associated with your specific course of study and to familiarise yourself with the University's general health and safety principles by reviewing the online induction training for students, and following the instructions of the University staff.

10. What administrative information is relevant to this course?

10.1. Assessment: Academic Integrity

Academic integrity is the ethical standard of university participation. It ensures that students graduate as a result of proving they are competent in their discipline. This is integral in maintaining the value of academic qualifications. Each industry has expectations and standards of the skills and knowledge within that discipline and these are reflected in assessment.

Academic integrity means that you do not engage in any activity that is considered to be academic fraud; including plagiarism, collusion or outsourcing any part of any assessment item to any other person. You are expected to be honest and ethical by completing all work yourself and indicating in your work which ideas and information were developed by you and which were taken from others. You cannot provide your assessment work to others. You are also expected to provide evidence of wide and critical reading, usually by using appropriate academic references.

In order to minimise incidents of academic fraud, this course may require that some of its assessment tasks, when submitted to Canvas, are electronically checked through Turnitin. This software allows for text comparisons to be made between your submitted assessment item and all other work to which Turnitin has access.

10.2. Assessment: Additional Requirements

Limited Graded Course: This course will be graded as Pass in a Limited Grade Course (PU) or Fail in a Limited Grade Course (UF) as per clause 4.1.3 and 4.1.4 of the Grades and Grade Point Average (GPA) - Institutional Operating Policy of the USC. In a course eligible to use Limited Grades, all assessment items in that course are marked on a Pass/Fail basis and all assessment tasks are required to be passed for a student to successfully complete the course. Supplementary assessment is not available in courses using Limited Grades.

10.3. Assessment: Submission penalties

You must contact your Course Coordinator and provide the required documentation if you require an extension or alternate assessment.

10.4. Links to relevant University policy and procedures

For more information on Academic Learning & Teaching categories including:

- Assessment: Courses and Coursework Programs
- Review of Assessment and Final Grades
- Supplementary Assessment
- Central Examinations
- Deferred Examinations
- Student Conduct
- Students with a Disability

For more information, visit https://www.usc.edu.au/explore/policies-and-procedures#academic-learning-and-teaching

10.5. Student Charter

UniSC is committed to excellence in teaching, research and engagement in an environment that is inclusive, inspiring, safe and respectful. The Student Charter sets out what students can expect from the University, and what in turn is expected of students, to achieve these outcomes.

10.6. General Enquiries

In person:

- **UniSC Sunshine Coast** - Student Central, Ground Floor, Building C, 90 Sippy Downs Drive, Sippy Downs
- **UniSC Moreton Bay** - Service Centre, Ground Floor, Foundation Building, Gympie Road, Petrie
- **UniSC SouthBank** - Student Central, Building A4 (SW1), 52 Merivale Street, South Brisbane
- **UniSC Gympie** - Student Central, 71 Cartwright Road, Gympie
- **UniSC Fraser Coast** - Student Central, Student Central, Building A, 161 Old Maryborough Rd, Hervey Bay
- **UniSC Caboolture** - Student Central, Level 1 Building J, Cnr Manley and Tallon Street, Caboolture

Tel: +61 7 5430 2890

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