B1390 Bachelor of IT (Cyber Security and Forensics)

Academic Chair: Dr Sebastian Zander **Start Date:** Semester 1 2027

	Semester 1 Units	CP	Semester 2 Units	CP
Year 1 – 2027	ICT145 Python Programming for Everyone **OR** ICT159 Foundations of Programming (see note 1)	3	ICT111 Cybersecurity Fundamentals	3
	ICT169 Foundations of Data Communications	3	ICT159 Foundations of Programming **OR** ICT167 Principles of Computer Science (see note 1)	3
	ICT171 Introduction to Server Environments and Architectures	3	ICT170 Foundations of Computer Systems	3
	MAS162 Foundations of Discrete Mathematics (if MAS164 is not required) **OR** MAS183 Statistical Data Analysis (see note 2 below)	3	Year 1 Unit (General Elective)	3
	Total	12	**Total**	12
	Semester 1 Units	**CP**	**Semester 2 Units**	**CP**
Year 2 – 2028	ICT200 Critical Issues in ICT	3	Discovery Study Unit	3
	ICT280 Information Security Policy and Governance	3	ICT279 Security Architectures and Controls	3
	ICT284 Systems Analysis and Design (see note 3)	3	ICT285 Databases	3
	Year 2 Unit (General Elective)	3	Year 2 Unit (General Elective)	3
	Total	12	**Total**	12
	Semester 1 Units	**CP**	**Semester 2 Units**	**CP**
Year 3 - 2029	ICT201 Information Technology Project Management	3	ICT302 IT Professional Practice Project	3
	ICT378 Cyber Forensics and Incident Response	3	Year 3 Unit (General Elective)	3
	ICT387 Ethical Hacking and Software Security	3	Year 3 Unit (General Elective)	3
	Year 3 Unit (General Elective)	3	Year 3 Unit (General Elective)	3
	Total	12	**Total**	12

TOTAL CREDIT POINTS 72

Semester 1 notes

1: It is recommended to enrol in ICT145 in S1 followed by ICT159 in S2. However, if you plan double major with (Computer Science) CS or (Artificial Intelligence) AI, you **must** enrol in ICT159 in S1 and in ICT167 in S2.

2: You must complete either MAS162 or MAS183 but MAS162 is **required** for CS and AI majors (if you plan double major). MAS164 may be required for enrolling in MAS162 (see handbook). If MAS164 is required and you do not plan double major, MAS183 is recommended.

3: ICT284 is recommended here, but ICT206 in S2 can be completed instead (see handbook). Note that ICT206 is **required** for double major with CS.

Recommended year2/3 electives:

- ICT202 Machine Learning
- ICT291 Network Design and Implementation
- ICT299 Service Management Experience
- ICT356 Structured Workplace Learning Placement

Semester 1 notes

1: ICT159 is recommended in S2 unless it has been completed already. However, if you plan double major with CS/AI you complete ICT159 in S1 and ICT167 in S2.

Recommended year 1/2/3 electives:

- CRM100 Introduction to Criminology
- TLC101 Communication Skills
- ICT286 Web and Mobile Computing
- ICT292 Information Systems Management
- ICT299 Service Management Experience
- ICT356 Structured Workplace Learning Placement
- ICT369 Wireless and Interactive Networks
- TLC201 Real World Learning

ICT356 and TLC201 are not a self-enrolled units and require approval to grant enrolment. See handbook.

It is highly recommended to select a second major (such as CS, AI, Internetworking, BIS), or a minor which will replace several of the general electives.

Please note: This course plan is a sample only and must be read in conjunction with the full course structure, unit prerequisites and enrolment options as outlined in the Handbook. Students should note that due to unit prerequisites, commencing study in Semester 2 may extend the duration of the course. This information is correct as at 22/10/2026.