

# M1220 Master of Information Technology (Cyber Security & Networking)

Academic Chair: [Dr Mohammed Kaosar](#)

Start Date: Semester 2 2026

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| Year 1 – 2026 | Semester 1 Units                                    | CP | Semester 2 Units   | CP |
|---------------|---|----|--|----|
|               |   |    | ICT521 IT Professional Practice                          | 3  |
|               |   |    | ICT581 Information Systems Principles and Practice       | 3  |
|               |   |    | ICT582 Python Programming Principles and Practice        | 3  |
|               |   |    | ICT583 Data Science Applications                         | 3  |
|               | Winter Units  | CP | Summer Units   | CP |
|               |   |    |  |    |
|               | <b>Total</b>  |    | <b>Total</b>   | 12 |
| Year 2 - 2027 | Semester 1 Units                                    | CP | Semester 2 Units   | CP |
|               | ICT502 Applied Information Security Management      | 3  | ICT519 Computer Security                                 | 3  |
|               | ICT508 Information Technology Project Management    | 3  | ICT535 Scalable Network Design                           | 3  |
|               | ICT546 Local Area Network Design and Implementation | 3  | ICT603 Wireless Data Communications                      | 3  |
|               | ICT615 Information Technology Research Methods      | 3  | ICT604 Security Architectures and Systems Administration | 3  |
|               | Winter Units  | CP | Summer Units   | CP |
|               |   |    |  |    |
|               | <b>Total</b>  | 12 | <b>Total</b>   | 12 |
| Year 3 - 2028 | Semester 1 Units                                    | CP | Semester 2 Units   | CP |
|               | ICT600 Cyber Forensics and Incident Response        | 3  |  |    |
|               | ICT607 Artificial Intelligence for Cyber Security   | 3  |  |    |
|               | ICT620 IT Capstone Project                          | 3  |  |    |
|               | <i>Specified Elective</i>                           | 3  |  |    |
|               | Winter Units  | CP | Summer Units   | CP |
|               |   |    |  |    |
|               | <b>Total</b>  | 12 | <b>Total</b>   |    |

**TOTAL CREDIT POINTS 48**

| Semester 1 notes   | Semester 2 notes  |
|--|---|
| Specified electives [note normal pre-requisites apply]<br>ICT612 (S1) – 3 CP<br>ICT619 (S1) – 3 CP<br>ICT631 (S1) – 3 CP<br>SIK502 (S1/S2) – 3 CP  | Specified electives [note normal pre-requisites apply]<br>ICT601 (S2) – 3 CP<br>ICT616 (S2) – 3 CP<br>ICT622 (S2) – 3 CP<br>SIK502 (S1/S2) – 3 CP |
| * Students interested in enrolling in a Work Integrated Learning (WIL) unit must discuss any internship placement opportunity they have secured with the Academic Chair. Approval is required to determine the suitability of the placement and whether enrolment in ICT686 (6 CP) or ICT687 (12 CP) is appropriate, including any necessary course variations. Please note that the WIL unit is strictly reserved for genuine internship opportunities (face-to-face and within a local setting) that must be directly aligned with the student's area of specialisation. |   |

**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 11/05/2026.