

## M.Sc. in Computer Security Program

### Program Matrix

| Programme Matrix           |                                               |
|----------------------------|-----------------------------------------------|
| <b>Faculty</b>             | Computing and Information Technology          |
| <b>Program</b>             | M.Sc. in Computer Science                     |
| <b>Award</b>               | M.Sc. in Computer Science (Computer Security) |
| <b>Credit Units/ Hours</b> | <b>24 units/ 36 Credit Hours</b>              |
| <b>Academic Year</b>       | 2025/2026                                     |

| Level | Semester 1  |                                                 |               |               |              |      | Semester 2  |                               |               |               |              |      |
|-------|-------------|-------------------------------------------------|---------------|---------------|--------------|------|-------------|-------------------------------|---------------|---------------|--------------|------|
|       | Course Code | Course Name                                     | Pre-requisite | Core/Elective | Credit Hours | Unit | Course Code | Course Name                   | Pre-requisite | Core/Elective | Credit Hours | Unit |
| 1     | COMP5104    | Advanced Artificial Intelligence                | NA            | Core          | 3            | 2    | COMP5211    | Computer Crimes and Forensics | NA            | Core          | 3            | 2    |
|       | COMP5105    | Advanced Algorithms                             | NA            | Core          | 3            | 2    | COMP5213    | Cybersecurity Management      | NA            | Core          | 3            | 2    |
|       | COMP5106    | Ethics and Research Methods in Computer Science | NA            | Core          | 3            | 2    | COMP52XX    | <i>Elective</i>               | NA            | Core          | 3            | 2    |
| 2     | COMP6104    | Advanced Database Systems                       | NA            | Core          | 3            | 2    | COMP6200B   | Master Dissertation B         | NA            | Core          | 9            | 6    |
|       | COMP6105    | Big Data Analytics                              | NA            | Core          | 3            | 2    |             |                               |               |               |              |      |
|       | COMP6200A   | Master Dissertation A                           | NA            | Core          | 3            | 2    |             |                               |               |               |              |      |