

Duration: 12 months full-time (MSc); 9 months full-time (Pg Dip); 4 months full-time (PgCert).

Content: All candidates shall be required to attend the following designated programme of courses:

Stage 1 (September)

All students must take the following courses:

PD5006 Getting Started at the University of Aberdeen (0 credit points)

CS502L Cybersecurity Fundamentals (15 credit points)

CS502M Security Analytics with Artificial Intelligence (15 credit points)

Plus one of the following courses:

CS502B Security in Emerging Networks (15 credit points)

CS5062 Machine Learning (15 credit points)

Plus one of the following courses:

CS5063 Evolution of AI Systems

CS5079 Applied Artificial Intelligence

Stage 2 (January)

One of the following courses:

CS552E Digital Forensics and Incident Management (15 credit points)

CS552P Blockchain and Smart Contracts (15 credit points)

Plus one of the following courses:

CS551J Knowledge Representation and Reasoning (15 credit points)

CS551K Software Agents and Multi-Agent Systems (15 credit points)

Plus one of the following courses:

CS552G Ethical Hacking and Web Security (15 credit points)

CS552H Secure Software Design and Development (15 credit points)

Plus one of the following courses:

CS551H Natural Language Generation (15 credit points)

CS552J Data Mining with Deep Learning (15 credit points)

Stage 3 (Summer)

CS592A Project in Cybersecurity (60 credit points)

Assessment: By course work, by written examination or by a combination of these as prescribed for each course. The project will be assessed by project presentation, implementation and by a dissertation. The degree of MSc shall not be awarded to a candidate who fails to complete CGS grade of D3 or above in the project, irrespective of their performance in other courses.