

MATHEMATICS OF COMPUTING (MSc/PgDip/PgCert)

57G111B1/61G111VX/62G111VZ

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

Content:

Stage 1

MX5010 Mathematics for Computer Science I (15 credits)
CS501A Algorithmics I (15 credits)
MX5011 Cryptography (15 credits)
CS5062 Machine Learning (15 Credits)

Stage 2

MX5517 Mathematics for Computer Science II (15 credits)
CS5596 Algorithmics II (15 credits)
CS5597 Use Cases: computational models and solutions.
MX5518 Data Analysis and Predictive Models (15 credits)

Stage 3

MX5902 Mathematics of Computing Individual Project (60 credit points)

Assessment: By course work, by written examination or by a combination of these as prescribed for each course. The course MX5902 will be assessed by a dissertation.