BIOTECHNOLOGY, BIOINFORMATICS AND BIO-BUSINESS (MSc/PgDip/PgCert)
57J700B1/61J700VX/62J700VZ

Duration: 12 months full time or 24 months part-time (MSc)

Content: The programme of taught courses will comprise lectures, tutorials, practical classes and small group demonstrations in laboratories. The curriculum will be selected by the student in consultation with the programme co-ordinator with courses chosen from any of the current taught MSc courses offered by the School of Medical Sciences or the School of Medicine and Dentistry.

Candidates shall be required to attend the following designated programme of courses:

FULL TIME ROUTE

Stage 1

MT5010 Basic Skills Induction (0 credit points)
BT5012 Introduction to Bio-business and the Commercialisation of Bioscience Research (15 credit points)
GS50M1 Generic Skills (0 credit points)
MB5021 Bioinformatics (15 credit points)
BT5014 Biotechnology (15 credit points)

Plus one from the following list:

BT5013 Small Molecule Drug Discovery (15 credit points)
MB5025 Molecular Genetics (15 credit points)
MC5008 Introduction to Microbiology (15 credit points)
PU5017 Applied Statistics (15 credit points)

Stage 2

BT5508 Advanced Bio-Business and the Commercialisation of Bioscience Research (15 credit points)
BT5510 Advanced Biotechnology (15 credit points)
MB5522 Advanced Bioinformatics and Genome Sequencing (15 credit points)

Plus one from the following list:

BT5509 Biologic Drug Discovery (15 credit points)
MC5510 Regulation of Microbial Adaption (15 credit points)

Stage 3

MT5903 Research Project 2 (60 credit points)

PART TIME ROUTE

Year 1

MT5010 Basic Skills Induction (0 credit points)
GS50M1 Generic Skills (0 credit points)
BT5012 Introduction to Bio-business and the Commercialisation of Bioscience Research (15 credit points)
MB5021 Bioinformatics (15 credit points)
BT5508 Advanced Bio-Business and the Commercialisation of Bioscience Research (15 credit points)
MB5522 Advanced Bioinformatics and Genome Sequencing (15 credit points)

Year 2

All students must take the following:

BT5014 Biotechnology (15 credit points)
BT5510 Advanced Biotechnology (15 credit points)
MT5903 Research Project 2 (60 credit points)

Plus one from the following list:

BT5013 Small Molecule Drug Discovery (15 credit points)
MB5022 Introduction to Molecular Biology (15 credit points)
MC5008 Introduction to Microbiology (15 credit points)
PU5017 Applied Statistics (15 credit points)
BT5510 Advanced Biotechnology (15 credit points)

Plus one from the following list:

BT5509 Biologic Drug Discovery (15 credit points)
MC5510 Regulation of Microbial Adaption (15 credit points)

Assessment: By practical work, by written essays and by oral presentations, or by a combination of these, as prescribed for each course. The project will be assessed on the basis of performance, written thesis, and oral presentation. There will usually be an oral examination to complete the programme. Candidates must pass all courses at an appropriate standard for the award of the MSc degree.