MICROBIOLOGY (MSc/PgDip/PgCert) **57C521B1/61C521VX/62C521VZ**

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

Content:

Candidates shall be required to attend the following designated courses:

Stage 1

PD5006 Getting Started at the University of Aberdeen (0 credit points)
MT5010 Basic Skills – Induction (0 credit points)
MC5009 Current Microbiology (15 credit points)
PU5017 Applied Statistics (15 credit points)

Plus one or both of the following:

MB5021 Bioinformatics (15 credit points)
BT5014 Biotechnology (15 credit points)

Elective (if additional credits required):
Choose one of the following:

MB5025 Molecular Genetics (15 credit points)
MB5028 Profiles of Immunology (15 credit points)

Stage 2

MB5518 Research Tutorials (15 credit points)
MB5516 Host-Pathogen Interactions (15 credit points)

Plus one or both of the following (depends on prerequisites taken in 1HS):
MB5522 Advanced bioinformatics and genome sequencing (15 credit points)
BT5510 Advanced Biotechnology (15 credit points)

Elective (if additional credits required):
Choose one of the following:

BT5509 Biologic drug discovery (15 credit points)
MB5517 Genome-enabled Medicine (15 credit points)

Stage 3
All students must take **one** of the following:

MB5904 Masters Research Project (Laboratory) (60 credit points)
OR
PU5922 Masters Research Project (60 credit points)

Assessment: Taught courses are assessed by a combination of written assignments, reports and by examination. Candidates will present the results of their research project in an oral presentation and as a thesis and may be required to attend an oral examination with the external examiner. Candidates must pass all courses at an appropriate standard for the award of the MSc degree.

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PART TIME ROUTE
(NB Courses taken in first year cannot be taken in second year)

Year 1

Stage 1:

Students must take the following courses:

PD5006 Getting Started at the University of Aberdeen (0 credit points)
MC5009 Current Microbiology (15 credit points)
MB5021 Bioinformatics (15 credit points)

Stage 2:

MB5516 Host-Pathogen Interactions (15 credit points)
MB5522 Advanced bioinformatics and genome sequencing (15 credit points) or BT5510 Advanced Biotechnology (15 credit points)

Year 2

Stage 1:

All students must take:

PU5017 Applied Statistics (15 credit points)

Plus one from the following:
MB5021 Bioinformatics (15 credit points) OR BT5014 Biotechnology (15 credit points)
MB5025 Molecular Genetics (15 credit points)
MB5028 Profiles of Immunology (15 credit points)

Stage 2:

MB5518 Research Tutorials (15 credit points)

Plus one from the following:
MB5522 Advanced bioinformatics and genome sequencing (15 credit points) or BT5510 Advanced Biotechnology (15 credit points)
BT5509 Biologic drug discovery (15 credit points)
MB5517 Genome-enabled Medicine (15 credit points)

Stage 3:
All students must take **one** of the following:

MB5904 Masters Research Project (Laboratory) (60 credit points)
OR
PU5922 Masters Research Project (60 credit points)

In exceptional circumstances, this could be arranged to be carried out part-time over two summers

Assessment: Taught courses are assessed by a combination of written assignments, reports and by examination. Candidates will present the results of their research project in an oral presentation and as a thesis and may be required to attend an oral examination with the external examiner. Candidates must pass all courses at an appropriate standard for the award of the MSc degree.