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### APST05 MRES/ECOLOGY & ENVIRONMENT FT (ECOLOGY AND ENVIRONMENT)  
(2017-2018)  
(FT)

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### APST06 MRES/EVOLUTION & BEHAVIOUR FT (EVOLUTION AND BEHAVIOUR)  
(2017-2018)  
(FT)

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### APST07 MRES/PLANT & MICROBIAL BIOLOGY (PLANT AND MICROBIAL BIOLOGY)  
(2017-2018)  
(FT)

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### APST102 MSC/SCIENCE COMMUNICATION FT (SCIENCE COMMUNICATION)  
(2017-2018)  
(FT)

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- JNL6210 F7 Research Methods AUT SEM 17 15

1C. A student will take
- JNL6014 F7 Ethics and Regulation AUT SEM 17 15
- JNL6028 F7 Writing for the media AUT SEM 17 15
- JNL6048 F7 Language and communication: A data-driven approach SPR SEM 17 15

1D. A student will take
- APS6003 F7 Project Dissertation ACAD YR 17 60

2. A student who has been awarded \textit{one hundred and twenty} credits in respect of units listed at 1A, B, and C above and who does not meet the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Science Communication.

3. A student who has been awarded \textit{sixty} credits in respect of units listed at 1A and B above and who does not meet the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Certificate in Science Communication.

**APST105 MSC/SCIENCE COMMUNICATION PT (SCIENCE COMMUNICATION) (2017-2018)**

(PT)

**Year 1**

1A. A student will take
- APS6001 F7 Developing Communication Skills ACAD YR 17 15
- APS6002 F7 Topical Science ACAD YR 17 30

1B. A student will take
- JNL6029 F7 Communicating with the Media SPR SEM 17 15
- JNL6210 F7 Research Methods AUT SEM 17 15

**Year 2**

2A. A student will take
- JNL6014 F7 Ethics and Regulation AUT SEM 17 15
- JNL6028 F7 Writing for the media AUT SEM 17 15
- JNL6048 F7 Language and communication: A data-driven approach SPR SEM 17 15

2B. A student will take
- APS6003 F7 Project Dissertation ACAD YR 17 60

3. A student who has been awarded \textit{one hundred and twenty} credits in respect of units listed at 1(a), 1(b) and 2(a) above and who does not meet the requirements for the Degree of MSc shall be eligible for the award of the Postgraduate Diploma in Science Communication.

4. A student who has been awarded \textit{sixty} credits in respect of units listed at 1(a) and 2(a) above and who does not meet the requirements for the Degree of MSc shall be eligible for the award of the Postgraduate Certificate in Science Communication.
BMST02 MSC/STEM CELL & REGTVE MED (FT (STEM CELL AND REGENERATIVE MEDICINE) (FT) (2017-2018)

Year 1

1A. A student will take
   - BMS6053 F7 Critical Analysis of Current Science ACAD YR 17 15
   - BMS6054 F7 Ethics and Public Awareness of Science AUT SEM 17 15

1B. A student will take 30 credits from this group.
   - BMS6055 F7 Modelling Human Disease AUT SEM 17 15
   - BMS6056 F7 Stem Cell Biology SPR SEM 17 15
   - BMS6398 F7 Tissue Engineering in Biomedical Science SPR SEM 17 15

1C. A student will take
   - BMS6081 F7 Human Embryonic Stem Culture Techniques SPR SEM 17 15
   - BMS6082 F7 Practical Cell Biology AUT SEM 17 15

1D. A student will take
   - BMS6051 F7 Literature Review AUT SEM 17 30

1E. A student will take
   - BMS6052 F7 Laboratory Research Project ACAD YR 17 60

2. A student who has been awarded *one hundred and twenty* credits in respect of units listed at 1A, B and C and D above will be eligible for the award of the Postgraduate Diploma in Stem Cell and Regenerative Medicine.

3. A student who has been awarded *sixty* credits in respect of units listed at 1A, B, C above, of which not more than *fifteen* credits are in respect of units listed at 1B and not more than *fifteen* credits are in respect of units listed at 1C, will be eligible for the award of the Postgraduate Certificate in Stem Cell and Regenerative Medicine.

4. The Examiners may recommend the award of a Postgraduate Masters with merit or distinction.

BMST05 MSC/MOLEC&CELL BASIS HUMAN DIS (MOLECULAR AND CELLULAR BASIS OF HUMAN DISEASE) (FT) (2017-2018)

Year 1

1A. A student will take
   - BMS6053 F7 Critical Analysis of Current Science ACAD YR 17 15
   - BMS6054 F7 Ethics and Public Awareness of Science AUT SEM 17 15

1B. A student will take 30 credits from this group.
   - BMS6055 F7 Modelling Human Disease AUT SEM 17 15
   - BMS6057 F7 Cancer Biology SPR SEM 17 15
   - BMS6063 F7 Epithelial Physiology in Health and Disease SPR SEM 17 15

1C. A student will take
   - BMS6082 F7 Practical Cell Biology AUT SEM 17 15
   - BMS6083 F7 Practical Developmental Genetics AUT SEM 17 15

1D. A student will take
   - BMS6051 F7 Literature Review AUT SEM 17 30

1E. A student will take
   - BMS6052 F7 Laboratory Research Project ACAD YR 17 60

2. A student who has been awarded *one hundred and twenty* credits in respect of units listed at 1A, B, C and D above will be eligible for the award of the Postgraduate Diploma in Molecular and Cellular Basis of Human Disease.

3. A student who has been awarded *sixty* credits in respect of units listed at 1A, B, and C above, of which not more
than fifteen credits are in respect of units listed at 1B and not more than fifteen credits are in respect of units listed at 1C, will be eligible for the award of the Postgraduate Certificate in Molecular and Cellular Basis of Human Disease.

4. The Examiners may recommend the award of a Postgraduate Masters with merit or distinction.

BMST11 MSC/SENSORY NEUROSCIENCE (SENSORY NEUROSCIENCE)  
(2017-2018)

(FT)

Year 1

1A. A student will take
   BMS6053 F7 Critical Analysis of Current Science  ACAD YR 17  15
   BMS6054 F7 Ethics and Public Awareness of Science  AUT SEM 17  15

1B. A student will take 30 credits from this group.
   BMS6318 F7 Developmental Neurobiology  AUT SEM 17  15
   BMS6355 F7 Sensory Neuroscience  SPR SEM 17  15
   PSY6307 F7 Computational Neuroscience 1: Biologically Grounded Models  AUT SEM 17  15

1C. A student will take
   BMS6083 F7 Practical Developmental Genetics  AUT SEM 17  15
   BMS6329 F7 Neuroscience Techniques  SPR SEM 17  15

1D. A student will take
   BMS6051 F7 Literature Review  AUT SEM 17  30

1E. A student will take
   BMS6052 F7 Laboratory Research Project  ACAD YR 17  60

2. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B, C and D above will be eligible for the award of the Postgraduate Diploma in Sensory Neuroscience.

3. A student who has been awarded sixty credits in respect of units listed at 1A, B, and C above, of which not more than fifteen credits are in respect of units listed at 1B and not more than fifteen credits are in respect of units listed at 1C, will be eligible for the award of the Postgraduate Certificate in Sensory Neuroscience.

4. The Examiners may recommend the award of a Postgraduate Masters with merit or distinction.

BMST25 MSC/MOLC&CELL BSIS HMNDIS(INTS)  
(MOLECULAR AND CELLULAR BASIS OF HUMAN DISEASE)  
(2017-2018)

(FT)

Year 1

1A. A student will take
   BMS6053 F7 Critical Analysis of Current Science  ACAD YR 17  15
   BMS6054 F7 Ethics and Public Awareness of Science  AUT SEM 17  15

1B. A student will take 30 credits from this group.
   BMS6055 F7 Modelling Human Disease  AUT SEM 17  15
   BMS6057 F7 Cancer Biology  SPR SEM 17  15
   BMS6063 F7 Epithelial Physiology in Health and Disease  SPR SEM 17  15

1C. A student will take
   BMS6082 F7 Practical Cell Biology  AUT SEM 17  15
   BMS6083 F7 Practical Developmental Genetics  AUT SEM 17  15

1D. A student will take
   BMS6051 F7 Literature Review  AUT SEM 17  30

1E. A student will take
   BMS6052 F7 Laboratory Research Project  ACAD YR 17  60
2. A student will (as part of the requirements for the Degree of PhD with Integrated Studies and unless exempt) take Research Training Programme units to the value of forty-five credits as prescribed by the Head of the Department following consultation with the student (in the case of a student who commenced the programme of study and research before September 2010), or will engage with the Doctoral Development Programme as prescribed in the Regulations for the Doctoral Development Programme (in the case of a student commencing the programme of study and research in or after September 2010).

3. A student will (as part of the requirements for the Degree of PhD with Integrated Studies) complete satisfactorily the following:
   (i) ELT Intensive English Language Training (optional)
   (ii) in the first year
        Y1.1 Induction Meeting
        Y1.2 Managing Research Time
   (iii) in the second year
        Y2.1 Speaking Skills for Research Purposes
        Y2.2 Masters Research Projects - Oral Presentations
   (iv) in the third year
        Y3.1 Research Poster Presentations
   (v) in the fourth year
        Y4.1 Thesis Writing and Viva Preparation
        Y4.2 Graduate Research Conference - Oral Presentations

4. A candidate shall be expected to attend at least two Career Management Skills sessions during the four year programme.

5. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B, C and D above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Molecular and Cellular Basis of Human Disease

6. A student who has been awarded sixty credits in respect of units listed at 1A and B and C of BMST05 above of which not more than fifteen credits are in respect of units listed at 1B and not more than fifteen credits are in respect of units listed at 1C and who does not complete the requirements for the Degree of MSc shall be eligible for the award of the Postgraduate Certificate in Molecular and Cellular Basis of Human Disease.

7. The Examiners may recommend the award of a Postgraduate Masters with merit or distinction. Students are not allowed to progress to the Degree of PhD unless they gain at least a merit.

BMST27 MSC/GENOMICAPP TO DRUG DISCVRY (GENOMIC APPROACHES TO DRUG DISCOVERY) (2017-2018)

(FT)

Year 1

1A. A student will take
   BMS6053 F7 Critical Analysis of Current Science ACAD YR 17 15
   BMS6054 F7 Ethics and Public Awareness of Science AUT SEM 17 15

1B. A student will take 30 credits from this group.
   BMS6011 F7 The Biotech and Pharmaceutical Industry SPR SEM 17 15
   BMS6014 F7 Genomic Approaches to Drug Discovery AUT SEM 17 15
   BMS6055 F7 Modelling Human Disease AUT SEM 17 15

1C. A student will take
   BMS6012 F7 3D Tissue Culture and Genome Editing ACAD YR 17 15
   BMS6013 F7 Small Molecule and Functional Genomic Screening AUT SEM 17 15

1D. A student will take
   BMS6051 F7 Literature Review AUT SEM 17 30

1E. A student will take
   BMS6052 F7 Laboratory Research Project ACAD YR 17 60

2. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B, C and D above will be eligible for the award of the Postgraduate Diploma in Genomic Approaches to Drug Discovery.

3. A student who has been awarded sixty credits in respect of units listed at 1A, B, and C, of which not more than fifteen credits are in respect of units listed at 1B, and not more than fifteen credits are in respect of units listed at 1C, will be eligible for the award of the Postgraduate Certificate in Genomic Approaches to Drug Discovery.
4. The Examiners may recommend the award of a Postgraduate Masters with merit or distinction

**BMST30 PGCERT/MOL,CELL&DEV BIOLOGY (MOLECULAR, CELLULAR AND DEVELOPMENTAL BIOLOGY)**

(2017-2018)

(FT)

**Year 1**

1A. A student will take

- BMS6237 F7 Advanced Developmental Biology SPR SEM 17 20
- BMS6238 F7 Advanced Molecular Biology SPR SEM 17 20
- BMS6239 F7 Practical Molecular Cell Biology SPR SEM 17 20

A student who has been awarded 60 credits in respect of the modules listed in 1A above will be eligible for the award of the Postgraduate Certificate in Molecular, Cellular and Developmental Biology.

**BMST31 MSC/BIOMEDICAL SCIENCE (BIOMEDICAL SCIENCE)**

(2017-2018)

(FT)

**Year 1**

1A. A student will take

- BMS6053 F7 Critical Analysis of Current Science ACAD YR 17 15
- BMS6054 F7 Ethics and Public Awareness of Science AUT SEM 17 15

1B. A student will take 30 credits from this group.

- BMS6055 F7 Modelling Human Disease AUT SEM 17 15
- BMS6056 F7 Stem Cell Biology SPR SEM 17 15
- BMS6057 F7 Cancer Biology SPR SEM 17 15
- BMS6061 F7 Membrane Receptors AUT SEM 17 15
- BMS6062 F7 Molecular Physiology of Ion Channels in Health and Disease AUT SEM 17 15
- BMS6063 F7 Epithelial Physiology in Health and Disease SPR SEM 17 15
- BMS6318 F7 Developmental Neurobiology AUT SEM 17 15
- BMS6355 F7 Sensory Neuroscience SPR SEM 17 15
- BMS6398 F7 Tissue Engineering in Biomedical Science SPR SEM 17 15

1C. A student will take 30 credits from this group.

- BMS6082 F7 Practical Cell Biology AUT SEM 17 15
- BMS6083 F7 Practical Developmental Genetics AUT SEM 17 15
- BMS6084 F7 Physiology and Pharmacology SPR SEM 17 15
- BMS6329 F7 Neuroscience Techniques SPR SEM 17 15

1D. A student will take

- BMS6051 F7 Literature Review AUT SEM 17 30

1E. A student will take

- BMS6052 F7 Laboratory Research Project ACAD YR 17 60

2. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B, C and D above will be eligible for the award of the Postgraduate Diploma in Biomedical Science

3. A student who has been awarded sixty credits in respect of units listed at 1A, B, and C above, of which not more than fifteen credits are in respect of units listed at 1B and not more than fifteen credits are in respect of units listed at 1C, will be eligible for the award of the Postgraduate Certificate in Biomedical Science.

4. The Examiners may recommend the award of a Postgraduate Masters with merit or distinction.

**BMST34 MSC/HUMANANATOMY W/EDU FT (HUMAN**

(2017-2018)
ANATOMY WITH EDUCATION) (FT)

Year 1

1A. A student will take
   BMS6017     F7  Anatomy of the Trunk and Limbs   ACAD YR 17  45
   EDU6147     F7  Module A: Students and the Learning Environment  GRAD YR 17  15

1B. A student will take
   BMS6016     F7  Anatomy of the head, Neck and Brain  ACAD YR 17  45
   EDU6148     F7  Module B: Curriculum and Programme Development  GRAD YR 17  15

1C. A student will take
   BMS6015     F7  Action Research Project:Scholarship in Learning and Teaching  ACAD YR 17  60

2. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A and B above will be eligible for the award of the Postgraduate Diploma in Human Anatomy with Education.

3. A student who has been awarded sixty credits in respect of units listed at 1A and B will be eligible for the award of the Postgraduate Certificate in Human Anatomy with Education.

4. A student must complete all 180 credits of the programme to be eligible for Fellowship of the Higher Education Academy via the personal pathway scheme through LTPRS at TUOS.

5. The Examiners may recommend the award of a Postgraduate Masters with merit or distinction.

BMST90 MSC/ST CELL REG MED (NRPHD) (STEM CELL AND REGENERATIVE MEDICINE) (2017-2018) (FT)

Year 1

1A. A student will take
   BMS6053     F7  Critical Analysis of Current Science  ACAD YR 17  15
   BMS6054     F7  Ethics and Public Awareness of Science  AUT SEM 17  15

1B. A student will take 30 credits from this group.
   BMS6055     F7  Modelling Human Disease  AUT SEM 17  15
   BMS6056     F7  Stem Cell Biology  SPR SEM 17  15
   BMS6398     F7  Tissue Engineering in Biomedical Science  SPR SEM 17  15

1C. A student will take 30 credits from this group.
   BMS6081     F7  Human Embryonic Stem Culture Techniques  SPR SEM 17  15
   BMS6082     F7  Practical Cell Biology  AUT SEM 17  15

1D. A student will take
   BMS6051     F7  Literature Review  AUT SEM 17  30

1E. A student will take
   BMS6052     F7  Laboratory Research Project  ACAD YR 17  60

2. A student will (as part of the requirements for the Degree of PhD with Integrated Studies and unless exempt) take Research Training Programme units to the value of forty-five credits as prescribed by the Head of the Department following consultation with the student (in the case of a student who commenced the programme of study and research before September 2010), or will engage with the Doctoral Development Programme as prescribed in the Regulations for the Doctoral Development Programme (in the case of a student commencing the programme of study and research in or after September 2010).

3. A student will (as part of the requirements for the Degree of PhD with Integrated Studies) complete satisfactorily the following:
   (i) ELT  Intensive English Language Training (optional)
   (ii) in the first year
         Y1.1  Induction Meeting
         Y1.2  Managing Research Time
   (iii) in the second year
         Y2.1  Speaking Skills for Research Purposes
4. A student will be expected to attend at least two Career Management Skills sessions during the four year programme.

5. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B, C and D of BMST02 above and who does not complete the requirements for the Degree of MSc shall be eligible for the award of the Postgraduate Diploma in Stem Cell and Regenerative Medicine.

6. A student who has been awarded sixty credits in respect of units listed at 1A and B and C of BMST02 above of which not more than fifteen credits are in respect of units listed at 1B and not more than fifteen credits are in respect of units listed at 1C and who does not complete the requirements for the Degree of MSc shall be eligible for the award of the Postgraduate Certificate in Stem Cell and Regenerative Medicine.

7. The Examiners may recommend the award of a Postgraduate Masters with merit or distinction. Candidates are not allowed to progress to the Degree of PhD unless they gain at least a merit.
### CHMT01 MSC/POLYMERS FOR ADV TECH FT (POLYMERS FOR ADVANCED TECHNOLOGIES) (2017-2018) (FT)

#### Year 1

**1A. A student will take**

<table>
<thead>
<tr>
<th>Code</th>
<th>Year</th>
<th>Title</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM6106</td>
<td>F7</td>
<td>Fundamental Polymer Chemistry</td>
<td>ACAD YR 17 15</td>
</tr>
<tr>
<td>CHM6108</td>
<td>F7</td>
<td>Biopolymers and Biomaterials</td>
<td>ACAD YR 17 15</td>
</tr>
<tr>
<td>CHM6201</td>
<td>F7</td>
<td>Polymer Characterization and Analysis</td>
<td>AUT SEM 17 15</td>
</tr>
<tr>
<td>CHM6401</td>
<td>F7</td>
<td>Polymer Laboratory</td>
<td>AUT SEM 17 15</td>
</tr>
<tr>
<td>CHM6402</td>
<td>F7</td>
<td>Research and Presentation Skills</td>
<td>ACAD YR 17 15</td>
</tr>
<tr>
<td>MAT6102</td>
<td>F7</td>
<td>The Physics of Polymers</td>
<td>AUT SEM 17 15</td>
</tr>
</tbody>
</table>

**1B. A student will take 30 credits from this group.**

<table>
<thead>
<tr>
<th>Code</th>
<th>Year</th>
<th>Title</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM6202</td>
<td>F7</td>
<td>Design and Synthesis of Polymers of Controlled Structure</td>
<td>SPR SEM 17 15</td>
</tr>
<tr>
<td>CHM6204</td>
<td>F7</td>
<td>Smart Polymers and Polymeric Materials</td>
<td>SPR SEM 17 15</td>
</tr>
<tr>
<td>MAT6104</td>
<td>F7</td>
<td>Design and Manufacture of Composites</td>
<td>SPR SEM 17 15</td>
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</tbody>
</table>

**1C. A student will take**

<table>
<thead>
<tr>
<th>Code</th>
<th>Year</th>
<th>Title</th>
<th>Duration</th>
</tr>
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<tbody>
<tr>
<td>CHM6301</td>
<td>F7</td>
<td>Polymer Research Project</td>
<td>SPR SEM 17 60</td>
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</tbody>
</table>

2. A student who has been awarded 120 credits in respect of units listed at 1A and 1B above shall be eligible for the award of the Postgraduate Diploma in Polymers for Advanced Technologies.

3. A student who has been awarded 60 credits in respect of units listed at 1A and 1B above shall be eligible for the award of the Postgraduate Certificate in Polymers for Advanced Technologies.

### CHMT08 MSC/CHEMISTRY (CHEMISTRY) (2017-2018) (FT)

#### Year 1

1. **A student will take**

<table>
<thead>
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<th>Code</th>
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<th>Duration</th>
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<tbody>
<tr>
<td>CHM6021</td>
<td>F7</td>
<td>Advanced Chemistry Topics 1</td>
<td>ACAD YR 17 40</td>
</tr>
<tr>
<td>CHM6022</td>
<td>F7</td>
<td>Advanced Chemistry Topics 2</td>
<td>ACAD YR 17 40</td>
</tr>
<tr>
<td>CHM6402</td>
<td>F7</td>
<td>Research and Presentation Skills</td>
<td>ACAD YR 17 15</td>
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<tr>
<td>CHM6403</td>
<td>F7</td>
<td>Chemistry Projects</td>
<td>ACAD YR 17 25</td>
</tr>
<tr>
<td>CHM6404</td>
<td>F7</td>
<td>Chemistry Research Project</td>
<td>ACAD YR 17 60</td>
</tr>
</tbody>
</table>

2. A student who has been awarded 120 credits without including CHM6404 shall be eligible for the award of the Postgraduate Diploma in Chemistry.

3. A student who has been awarded 60 credits without including CHM6404 shall be eligible for the award of the Postgraduate Certificate in Chemistry.

### CHMT10 MSC(RES)/CHEMISTRY (CHEMISTRY) (2017-2018) (FT)

#### Year 1

1. **A student will take**

<table>
<thead>
<tr>
<th>Code</th>
<th>Year</th>
<th>Title</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>CHM6031</td>
<td>F7</td>
<td>Advanced Chemistry Topics 1</td>
<td>ACAD YR 17 30</td>
</tr>
<tr>
<td>CHM6032</td>
<td>F7</td>
<td>Advanced Chemistry Topics 2</td>
<td>ACAD YR 17 30</td>
</tr>
<tr>
<td>CHM6405</td>
<td>F7</td>
<td>Chemistry Research Project</td>
<td>ACAD YR 17 120</td>
</tr>
</tbody>
</table>

2. Other modules may be substituted at the discretion of the Head of Department.

3. A candidate who has been awarded sixty credits shall be eligible for the award of the Postgraduate Certificate in Chemistry (PG Cert).
CHMT16 MSC/MOLECULARSCALE ENG FT(DTC) (2017-2018)
(MOLECULAR SCALE ENGINEERING) (FT)

Year 1

CHMT99 DTC PARTNERSHIP STUDENT (DTS) (MOLECULAR SCALE ENGINEERING DTC PARTNERSHIP STUDENT) (2017-2018) (FT)

Year 1
Year 1

1. A student who satisfies the admission requirements of the University of Sheffield and of the University of Leeds may be admitted as a student.

2. A student will register at Sheffield at the beginning of the programme of study as a student of both the University of Sheffield and the University of Leeds. A student will have appropriate access to the facilities of both Universities but will be required to attend at the University identified in accordance with the following Regulations.

3A. at the University of Sheffield
A student will take

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Semester</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMS6730</td>
<td>F7</td>
<td>Bionanomaterials</td>
<td>15</td>
</tr>
<tr>
<td>PHY6100</td>
<td>F7</td>
<td>Preliminary PhD Project</td>
<td>45</td>
</tr>
</tbody>
</table>

3B. at the University of Leeds

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Semester</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMNS5100F7</td>
<td>F7</td>
<td>Generic Methodologies for Nanotechnology</td>
<td>15</td>
</tr>
<tr>
<td>ELEC5225</td>
<td>F7</td>
<td>Molecular Scale Engineering</td>
<td>15</td>
</tr>
<tr>
<td>ELEC5255</td>
<td>F7</td>
<td>Nanofabrication and Characterisation</td>
<td>15</td>
</tr>
<tr>
<td>ELEC5290</td>
<td>F7</td>
<td>Cross Disciplinary Research Placement</td>
<td>30</td>
</tr>
</tbody>
</table>

3C. units to the value of thirty credits from the following

at the University of Leeds

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Semester</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ELEC5500</td>
<td>F7</td>
<td>Micro- and Nano-Electromechanical Systems</td>
<td>15</td>
</tr>
<tr>
<td>ELEC5650</td>
<td>F7</td>
<td>Medical Electronics and E-Health</td>
<td>15</td>
</tr>
</tbody>
</table>

at the University of Sheffield

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Semester</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM6108</td>
<td>F7</td>
<td>Biopolymers and Biomaterials</td>
<td>15</td>
</tr>
<tr>
<td>MAT6750</td>
<td>F7</td>
<td>Biophotonics and Bioimaging</td>
<td>15</td>
</tr>
</tbody>
</table>

4. A student will engage (as part of the requirements for the Degree of PhD with Integrated Studies) with the Doctoral Development Programme as prescribed in the Regulations for the Doctoral Development Programme.

5. A student who has been awarded one hundred and twenty credits in respect of units listed at 3A and B above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Molecular Scale Engineering.

6. The Examiners may recommend the award of a Postgraduate Masters, or a Postgraduate Diploma with merit or distinction.

DTST99 DTC PARTNERSHIP STUDENT (DTS) (MOLECULAR SCALE ENGINEERING DTC PARTNERSHIP STUDENT)
### MAST01 MSC/STATISTICS FT (STATISTICS) (2017-2018) (FT)

#### Year 1

1A. A student will take
- MAS6002 F7 Statistical Laboratory ACAD YR 17 20
- MAS6005 F7 Professional Skills for Statisticians ACAD YR 17 10
- MAS6006 F7 Statistical Consultancy ACAD YR 17 10

1B. A student will take 40 credits from this group.
- MAS6003 F7 Linear Modelling ACAD YR 17 20
- MAS6004 F7 Inference ACAD YR 17 20
- MAS6031 F7 Special Topics 1 AUT SEM 17 10
- MAS6032 F7 Special Topics 2 SPR SEM 17 10
- MAS6062 F7 Bayesian Methods & Clinical Trials ACAD YR 17 20

MAS6062 may only be taken with the permission of the Head of Department as a replacement for MAS6004.

1C. A student will take 40 credits from this group.
- MAS6011 F7 Dependent Data ACAD YR 17 20
- MAS6012 F7 Sampling, Design, Medical Statistics ACAD YR 17 20
- MAS6031 F7 Special Topics 1 AUT SEM 17 10
- MAS6032 F7 Special Topics 2 SPR SEM 17 10
- MAS6061 F7 Epidemiology and Time Series ACAD YR 17 20
- MAS6071 F7 Applied Probability SPR SEM 17 10

Unrestricted F7 units to the value of 20 credits.

MAS6061 may only be taken with the permission of the Head of Department as a replacement for MAS6011. If MAS6062 has been taken in 1B above then MAS6061 cannot be taken.

1D. A student will take
- MAS6041 F7 Dissertation GRAD YR 17 60

2. A student may proceed to the dissertation only on the recommendation of the Examiners based on performance in the units listed at 1A, B and C above.

3. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B and C above, will be eligible for the award of the Postgraduate Diploma in Statistics (MAST05).

4. A student who has been awarded sixty credits in respect of units listed at 1A, B and C above, of which twenty credits will be in respect of MAS6002, will be eligible for the award of the Postgraduate Certificate in Statistics (MAST07); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived.

5. The Examiners may recommend the award of a Postgraduate Masters, or a Postgraduate Diploma, with merit or distinction.

### MAST02 MSC/STATS (2YR) PT BY DL (STATISTICS) (2017-2018) (DL)

#### Year 1

There is another version on PROMS with regulations so this is not needed.

To view the regulations for this programme please follow the link below.

http://www.governance.dept.shef.ac.uk/Science/p-pg-somas.pdf

#### Year 2

### MAST02 MSC/STATS (3YR) PT BY DL (STATISTICS) (2017-2018) (DL)

13-Dec-2017
Year 1

1. The programme of study will be pursued for not less than two years, and will be subject to a time limit of four years.

2A. A student will take:
   - MAS6002 F7 Statistical Laboratory ACAD YR 17 20 credits
   - MAS6005 F7 Professional Skills for Statisticians ACAD YR 17 10 credits
   - MAS6006 F7 Statistical Consultancy ACAD YR 17 10 credits

2B. A student will take 40 credits from this group.
   - MAS6003 F7 Linear Modelling ACAD YR 17 20 credits
   - MAS6004 F7 Inference ACAD YR 17 20 credits
   - MAS6031 F7 Special Topics 1 AUT SEM 17 10 credits
   - MAS6032 F7 Special Topics 2 SPR SEM 17 10 credits
   - MAS6062 F7 Bayesian Methods & Clinical Trials ACAD YR 17 20 credits

   MAS6062 may only be taken with the permission of the Head of Department as a replacement for MAS6004.

2C. A student will take 40 credits from this group.
   - MAS6011 F7 Dependent Data ACAD YR 17 20 credits
   - MAS6012 F7 Sampling, Design, Medical Statistics ACAD YR 17 20 credits
   - MAS6031 F7 Special Topics 1 AUT SEM 17 10 credits
   - MAS6032 F7 Special Topics 2 SPR SEM 17 10 credits
   - MAS6061 F7 Epidemiology and Time Series ACAD YR 17 20 credits
   - MAS6071 F7 Applied Probability SPR SEM 17 10 credits

   Unrestricted F7 units to the value of 20 credits. MAS6061 may only be taken with the permission of the Head of Department as a replacement for MAS6011. If MAS6062 has been taken in 2B above then MAS6061 cannot be taken.

2D. A Student will take:
   - MAS6041 F7 Dissertation GRAD YR 17 60 credits

3. A student may proceed to the dissertation only on the recommendation of the Examiners based on performance in the units at 2A, B and C above.

4. A student who has been awarded one hundred and twenty credits in respect of units listed at 2A, B and C above, will be eligible for the award of the Postgraduate Diploma in Statistics (MAST06).

5. A student who has been awarded sixty credits in respect of units listed at 2A, B and C above, of which twenty credits will be in respect of MAS6002, will be eligible for the award of the Postgraduate Certificate in Statistics (MAST08); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived.

6. The Examiners may recommend the award of a Postgraduate Masters, or a Postgraduate Diploma with merit or distinction.

7. A student will attend such residential weeks as are prescribed by the Head of Department.

Year 2

Year 3

MAST03 MSC/STATISTICS (INTGD STDS) FT (STATISTICS) (2017-2018)

(FT)

Year 1

1A. A student will take
   - MAS6002 F7 Statistical Laboratory ACAD YR 17 20 credits

1B. A student will take 40 credits from this group.
   - MAS6003 F7 Linear Modelling ACAD YR 17 20 credits
   - MAS6004 F7 Inference ACAD YR 17 20 credits
   - MAS6012 F7 Sampling, Design, Medical Statistics ACAD YR 17 20 credits
MAS6031 F7 Special Topics 1 AUT SEM 17 10
MAS6032 F7 Special Topics 2 SPR SEM 17 10
MAS6071 F7 Applied Probability SPR SEM 17 10

Unrestricted F7 units to the value of twenty credits

1C. A student will take either 1C1, 1C2 or 1C3
A student will take 60 credits from this group.

1C1. A student will take 60 credits from this group.
MAS6010 F7 Topics in Data Analysis ACAD YR 17 10
MAS6011 F7 Dependent Data ACAD YR 17 20
MAS6052 F7 Stochastic Processes and Finance ACAD YR 17 20
MAS6053 F7 Financial Mathematics AUT SEM 17 10

1C2. A student will take 60 credits from this group.
MAS6005 F7 Professional Skills for Statisticians ACAD YR 17 10
MAS6006 F7 Statistical Consultancy ACAD YR 17 10
MAS6061 F7 Epidemiology and Time Series ACAD YR 17 20
MAS6062 F7 Bayesian Methods & Clinical Trials ACAD YR 17 20

1C3. A student will take 40 credits from this group.
MAS6010 F7 Topics in Data Analysis ACAD YR 17 10
MAS6011 F7 Dependent Data ACAD YR 17 20
MAS6031 F7 Special Topics 1 AUT SEM 17 10
MAS6032 F7 Special Topics 2 SPR SEM 17 10
MAS6071 F7 Applied Probability SPR SEM 17 10

Unrestricted F7 units to the value of 20 credits

1D. A student will take 60 credits from this group.
MAS6041 F7 Dissertation GRAD YR 17 60
MAS6042 F7 Dissertation (MSc Statistics with Medical Applications) SPR SEM 17 60

2. A student will take (as part of the requirements for the Degree of PhD with Integrated Studies) relevant parts of the University’s Doctoral Development Programme as prescribed by the Head of Department following consultation with their supervisor.

3. A student may proceed to the dissertation only on the recommendation of the Examiners based on performance in the units listed at Regulation 1A, B and C above.

4. A student must achieve a minimum grade of 50% in all taught units and achieve a minimum grade of 60% in the dissertation and a weighted mean grade of 59.5% or above in the Degree of MSc in order to continue as a student for the Degree of PhD with Integrated Studies. A student who fails to satisfy this requirement will be required to become a student for the MSc in Statistics (MAST01) or the MSc in Statistics with Financial Mathematics (MAST11) or the MSc in Statistics with Medical Applications (MAST21).

5. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B and C1 above, will be eligible for the award of the Postgraduate Diploma in Statistics with Financial Mathematics (MAST15). A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B and C2 above, will be eligible for the award of the Postgraduate Diploma in Statistics with Medical Applications (MAST25). A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B and C3 above, will be eligible for the award of the Postgraduate Diploma in Statistics (MAST05).

6. A student who has been awarded sixty credits in respect of units listed at 1A, B and C1 above, of which twenty credits are in respect of MAS6002, and twenty credits are in respect of MAS6052, will be eligible for the award of the Postgraduate Certificate in Statistics with Financial Mathematics (MAST17); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who has been awarded sixty credits in respect of units listed at 1A, B and C2 above, of which twenty credits are in respect of MAS6002, and twenty credits are in respect of MAS6061, will be eligible for the award of the Postgraduate Certificate in Statistics with Medical Applications (MAST27); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who has been awarded sixty credits in respect of units listed at 1A, B and C3 above, of which twenty credits are in respect of MAS6002, will be eligible for the award of the Postgraduate Certificate in Statistics (MAST07); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived.
7. The Examiners may recommend the award of a Postgraduate Masters, or a Postgraduate Diploma, with merit or distinction.

**MAST05 PG DIP/STATISTICS FT (STATISTICS) (2017-2018)**

**Year 1**

1A. A student will take
- MAS6002 F7 Statistical Laboratory ACAD YR 17 20
- MAS6005 F7 Professional Skills for Statisticians ACAD YR 17 10
- MAS6006 F7 Statistical Consultancy ACAD YR 17 10

1B. A student will take 40 credits from this group.
- MAS6003 F7 Linear Modelling ACAD YR 17 20
- MAS6004 F7 Inference ACAD YR 17 20
- MAS6031 F7 Special Topics 1 AUT SEM 17 10
- MAS6032 F7 Special Topics 2 SPR SEM 17 10
- MAS6062 F7 Bayesian Methods & Clinical Trials ACAD YR 17 20

MAS6062 may only be taken with the permission of the Head of Department as a replacement for MAS6004

1C. A student will take 40 credits from this group.
- MAS6011 F7 Dependent Data ACAD YR 17 20
- MAS6012 F7 Sampling, Design, Medical Statistics ACAD YR 17 20
- MAS6031 F7 Special Topics 1 AUT SEM 17 10
- MAS6032 F7 Special Topics 2 SPR SEM 17 10
- MAS6061 F7 Epidemiology and Time Series ACAD YR 17 20
- MAS6071 F7 Applied Probability SPR SEM 17 10

Unrestricted F7 units to the value of 20 credits.

MAS6061 may only be taken with the permission of the Head of Department as a replacement for MAS6011. If MAS6062 has been taken in 1B above then MAS6061 cannot be taken.

2. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A, B and C above, will be eligible for the award of the Postgraduate Diploma in Statistics (MAST05).

3. The Examiners may recommend the award of a Postgraduate Diploma with merit or distinction.

4. A student who has been awarded sixty credits in respect of units listed at 1A,B and C above, of which twenty credits will be in respect of MAS6002, will be eligible for the award of the Postgraduate Certificate in Statistics (MAST07); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived.

**MAST07 PG CERT/STATISTICS FT (STATISTICS) (2017-2018)**

**Year 1**

1. Please refer to the regulations for the Masters version of this programme which can be found under MAST01. Students should contact the Department directly for further details of which units will be studied for the PG Certificate.

**MAST08 PG CERT/STATS (2YR) (PT BY DL) (STATISTICS) (2017-2018)**

**Year 1**

Year 2
MAST11 MSC/STATISTICS W/FIN MATHS (FT) (STATISTICS WITH FINANCIAL MATHEMATICS) (2017-2018) (FT)

Year 1

1A. A student will take

<table>
<thead>
<tr>
<th>Code</th>
<th>F7</th>
<th>Course</th>
<th>ACAD YR</th>
<th>Credits</th>
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</thead>
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<tr>
<td>MAS6002</td>
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<td>Statistical Laboratory</td>
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</tr>
<tr>
<td>MAS6010</td>
<td>F7</td>
<td>Topics in Data Analysis</td>
<td>YR 17</td>
<td>10</td>
</tr>
<tr>
<td>MAS6052</td>
<td>F7</td>
<td>Stochastic Processes and Finance</td>
<td>YR 17</td>
<td>20</td>
</tr>
<tr>
<td>MAS6053</td>
<td>F7</td>
<td>Financial Mathematics</td>
<td>AUT SEM 17</td>
<td>10</td>
</tr>
</tbody>
</table>

1B. A student will take 60 credits from this group.

<table>
<thead>
<tr>
<th>Code</th>
<th>F7</th>
<th>Course</th>
<th>ACAD YR</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MAS6003</td>
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<td>Linear Modelling</td>
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<td>MAS6004</td>
<td>F7</td>
<td>Inference</td>
<td>YR 17</td>
<td>20</td>
</tr>
<tr>
<td>MAS6011</td>
<td>F7</td>
<td>Dependent Data</td>
<td>YR 17</td>
<td>20</td>
</tr>
<tr>
<td>MAS6031</td>
<td>F7</td>
<td>Special Topics 1</td>
<td>AUT SEM 17</td>
<td>10</td>
</tr>
<tr>
<td>MAS6032</td>
<td>F7</td>
<td>Special Topics 2</td>
<td>SPR SEM 17</td>
<td>10</td>
</tr>
<tr>
<td>MAS6071</td>
<td>F7</td>
<td>Applied Probability</td>
<td>SPR SEM 17</td>
<td>10</td>
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</table>

Unrestricted F7 units to the value of 20 credits.

1C. A student will take

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credits</th>
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</thead>
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<td>F7</td>
<td>Dissertation</td>
<td>YR 17</td>
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</tbody>
</table>

2. A student may proceed to the dissertation only on the recommendation of the Examiners based on performance in the units listed at 1A and 1B.

3. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A and B above, will be eligible for the award of the Postgraduate Diploma in Statistics with Financial Mathematics (MAST15).

4. A student who has been awarded sixty credits in respect of units listed at 1A and B above, of which twenty credits are in respect of MAS6002 and twenty credits are in respect of MAS6052, will be eligible for the award of the Postgraduate Certificate in Statistics with Financial Mathematics (MAST17); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who fails to satisfy this requirement may be permitted by the Faculty to become instead a student for the Postgraduate Certificate in Statistics (MAST07).

5. The Examiners may recommend the award of a Postgraduate Masters, or a Postgraduate Diploma, with merit or distinction.

MAST12 MSC/STAT W/FIN MATH MATH DL (2YR) (STATISTICS WITH FINANCIAL MATHEMATICS) (2017-2018) (DL)

Year 1

STUDENTS SHOULD REFER TO THE DEPARTMENT DIRECTLY FOR FURTHER INFORMATION ON WHICH MODULES WILL BE STUDIED IN WHICH YEAR OF THE PROGRAMME

1. The programme of study will be pursued for not less than two years, and will be subject to a time limit of four years.

2A. A student will take: MAS6002 F7 Statistical Laboratory ACAD YR 17 20 credits MAS6010 F7 Topics in Data Analysis ACAD YR 17 10 credits MAS6052 F7 Stochastic Processes and Finance ACAD YR 17 20 credits MAS6053 F7 Financial Mathematics AUT SEM 17 10 credits

2B. A student will take 60 credits from this group.

<table>
<thead>
<tr>
<th>Code</th>
<th>F7</th>
<th>Course</th>
<th>ACAD YR</th>
<th>Credits</th>
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</thead>
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<tr>
<td>MAS6003</td>
<td>F7</td>
<td>Linear Modelling</td>
<td>YR 17</td>
<td>20</td>
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<td>MAS6004</td>
<td>F7</td>
<td>Inference</td>
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<td>20</td>
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<tr>
<td>MAS6011</td>
<td>F7</td>
<td>Dependent Data</td>
<td>YR 17</td>
<td>20</td>
</tr>
<tr>
<td>MAS6031</td>
<td>F7</td>
<td>Special Topics 1</td>
<td>AUT SEM 17</td>
<td>10</td>
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<tr>
<td>MAS6032</td>
<td>F7</td>
<td>Special Topics 2</td>
<td>SPR SEM 17</td>
<td>10</td>
</tr>
</tbody>
</table>
2C. A student will take MAS6041 F7 Dissertation GRAD YR 17 60 credits

3. A student may proceed to the dissertation only on the recommendation of the Examiners based on performance in the units listed at 2A and 2B.

4. A student who has been awarded one hundred and twenty credits in respect of units listed at 2A and B above, will be eligible for the award of the Postgraduate Diploma in Statistics with Financial Mathematics (MAST16).

5. A student who has been awarded sixty credits in respect of the units listed at 2A and B above, of which twenty credits are in respect of MAS6002 and twenty credits are in respect of MAS6052, will be eligible for the award of the Postgraduate Certificate in Statistics with Financial Mathematics (MAST18); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who fails to satisfy this requirement may be permitted by the Faculty to become instead a student for the Postgraduate Certificate in Statistics (MAST08).

6. The Examiners may recommend the award of a Postgraduate Masters, or a Postgraduate Diploma, with merit or distinction.

7. A student will attend such residential weeks as are prescribed by the Head of Department.

Year 2

MAST15 PG DIP/STATISTICS W/FINMATH(FT) (STATISTICS WITH FINANCIAL MATHEMATICS) (2017-2018) (FT)

Year 1

1A. A student will take

<table>
<thead>
<tr>
<th>Course</th>
<th>F7</th>
<th>Title</th>
<th>ACAD YR</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>MAS6002</td>
<td>F7</td>
<td>Statistical Laboratory</td>
<td>YR 17</td>
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</tr>
<tr>
<td>MAS6010</td>
<td>F7</td>
<td>Topics in Data Analysis</td>
<td>YR 17</td>
<td>10</td>
</tr>
<tr>
<td>MAS6052</td>
<td>F7</td>
<td>Stochastic Processes and Finance</td>
<td>ACAD YR 17</td>
<td>20</td>
</tr>
<tr>
<td>MAS6053</td>
<td>F7</td>
<td>Financial Mathematics</td>
<td>AUT SEM 17</td>
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</tbody>
</table>

1B. A student will take 60 credits from this group.

<table>
<thead>
<tr>
<th>Course</th>
<th>F7</th>
<th>Title</th>
<th>ACAD YR</th>
<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>MAS6003</td>
<td>F7</td>
<td>Linear Modelling</td>
<td>YR 17</td>
<td>20</td>
</tr>
<tr>
<td>MAS6004</td>
<td>F7</td>
<td>Inference</td>
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<td>MAS6011</td>
<td>F7</td>
<td>Dependent Data</td>
<td>YR 17</td>
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</tr>
<tr>
<td>MAS6031</td>
<td>F7</td>
<td>Special Topics 1</td>
<td>AUT SEM 17</td>
<td>10</td>
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<tr>
<td>MAS6032</td>
<td>F7</td>
<td>Special Topics 2</td>
<td>SPR SEM 17</td>
<td>10</td>
</tr>
<tr>
<td>MAS6071</td>
<td>F7</td>
<td>Applied Probability</td>
<td>SPR SEM 17</td>
<td>10</td>
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</tbody>
</table>

Unrestricted F7 units to the value of 20 credits.

2. A student who has been awarded sixty credits in respect of units listed at 1A and B above, of which twenty credits are in respect of MAS6002 and twenty credits are in respect of MAS6052, will be eligible for the award of the Postgraduate Certificate in Statistics with Financial Mathematics (MAST17); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who fails to satisfy this requirement may be permitted by the Faculty to become instead a student for the Postgraduate Certificate in Statistics (MAST07).

3. The Examiners may recommend the award of a Postgraduate Diploma with merit or distinction.

MAST16 PG DIP/STAT W/FIN MATHDL(2-4YR) (STATISTICS WITH FINANCIAL MATHEMATICS) (2017-2018) (DL)

Year 1

1. The programme of study will be pursued by distance learning, for not less than two years, and will be subject to a time limit of four years.

2. A student will take: MAS6002 F7 Statistical Laboratory ACAD YR 17 20 credits MAS6010 F7 Topics in Data
Analysis ACAD YR 17 10 credits MAS6052 F7 Stochastic Processes and Finance ACAD YR 17 20 credits
MAS6053 F7 Financial Mathematics AUT SEM 17 10 credits

3. A student will take 60 credits from this group.

MAS6003 F7 Linear Modelling ACAD YR 17 20
MAS6004 F7 Inference ACAD YR 17 20
MAS6011 F7 Dependent Data ACAD YR 17 20
MAS6031 F7 Special Topics 1 AUT SEM 17 10
MAS6032 F7 Special Topics 2 SPR SEM 17 10
MAS6071 F7 Applied Probability SPR SEM 17 10

Unrestricted F7 units to the value of 20 credits.

4. A student who has been awarded sixty credits in respect of units listed at 2. and 3. above, of which twenty credits are in respect of MAS6002 and twenty credits are in respect of MAS6052, will be eligible for the award of the Postgraduate Certificate in Statistics with Financial Mathematics (MAST18); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who fails to satisfy this requirement may be permitted by the Faculty to become instead a student for the Postgraduate Certificate in Statistics (MAST08).

5. The Examiners may recommend the award of a Postgraduate Diploma with merit or distinction.

MAST17 PG CERT/STATISTICS W/FINMATHFT (STATISTICS WITH FINANCIAL MATHEMATICS) (2017-2018)

Year 1

1. Please refer to the regulations for the Masters version of this programme which can be found under MAST11. Students should contact the Department directly for further details of which units will be studied for the Postgraduate Certificate.

MAST18 PG CERT/STATW/FIN MATHDL (2-4YR (STATISTICS WITH FINANCIAL MATHEMATICS) (2017-2018)

Year 1

1. The programme of study will be pursued by distance learning for not less than two years, and will be subject to a time limit of four years."

2. These regulations are under review. Students should consult with the Department with regard to their programme of study.

MAST21 MSC/STATS WITH MEDICAL APP FT (STATISTICS WITH MEDICAL APPLICATIONS) (2017-2018)

Year 1

1A. A student will take

MAS6002 F7 Statistical Laboratory ACAD YR 17 20
MAS6005 F7 Professional Skills for Statisticians ACAD YR 17 10
MAS6006 F7 Statistical Consultancy ACAD YR 17 10
MAS6061 F7 Epidemiology and Time Series ACAD YR 17 20
MAS6062 F7 Bayesian Methods & Clinical Trials ACAD YR 17 20

1B. A student will take 40 credits from this group.

MAS6003 F7 Linear Modelling ACAD YR 17 20
MAS6012 F7 Sampling, Design, Medical Statistics ACAD YR 17 20
MAS6031  F7  Special Topics 1  AUT SEM 17  10
MAS6032  F7  Special Topics 2  SPR SEM 17  10

Unrestricted F7 units to the value of 20 credits.

1C. A student will take
MAS6042  F7  Dissertation (MSc Statistics with Medical Applications)  SPR SEM 17  60

2. A student may proceed to the dissertation only on the recommendation of the Examiners based on performance in the units listed at 1A and 1B.

3. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A and 1B above, will be eligible for the award of the Postgraduate Diploma in Statistics with Medical Applications (MAST25).

4. A student who has been awarded sixty credits in respect of units listed at 1A and 1B above, of which twenty credits are in respect of MAS6002 and twenty credits are in respect of MAS6061, will be eligible for the award of the Postgraduate Certificate in Statistics with Medical Applications (MAST27); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who fails to satisfy this requirement may be permitted by the Faculty to become instead a student for the Postgraduate Certificate in Statistics (MAST07).

5. The Examiners may recommend the award of a Postgraduate Masters, or a Postgraduate Diploma, with merit or distinction.

6. A student who in the opinion of the Head of Department demonstrates sufficient competence in either MAS6001, MAS6061 or MAS6062 may substitute one of these with MAS6031 Special Topics 1 and MAS6032 Special Topics 2.

MAST22 MSC/STATS WITH MEDICAL APP DL (STATISTICS WITH MEDICAL APPLICATIONS)  (2017-2018)
(DL)

Year 1

STUDENTS SHOULD REFER TO THE DEPARTMENT DIRECTLY FOR FURTHER INFORMATION ON WHICH UNITS WILL BE TAKEN IN WHICH YEAR OF THE PROGRAMME

1. The programme of study will be pursued for not less than two years, and will be subject to a time limit of four years.

2A. A student will take: MAS6002 F7 Statistical Laboratory ACAD YR 20 credits MAS6005 F7 Professional Skills for Statisticians ACAD YR 10 credits MAS6006 F7 Statistical Consultancy ACAD YR 10 credits MAS6061 F7 Epidemiology and Time Series ACAD YR 20 credits MAS6062 F7 Bayesian Methods & Clinical Trials ACAD YR 20 credits

2B. A student will take 40 credits from this group.

MAS6003  F7  Linear Modelling  ACAD YR 17  20
MAS6012  F7  Sampling, Design, Medical Statistics  ACAD YR 17  20
MAS6031  F7  Special Topics 1  AUT SEM 17  10
MAS6032  F7  Special Topics 2  SPR SEM 17  10

Unrestricted F7 units to the value of 20 credits.

2C. A student will take MAS6042 F7 Dissertation (MSc Statistics with Medical Applications) SPR SEM 17 60 credits

3. A student may proceed to the dissertation only on the recommendation of the Examiners based on performance in the units listed at 2A and 2B.

4. A student who has been awarded one hundred and twenty credits in respect of units listed at 2A and 2B above, will be eligible for the award of the Postgraduate Diploma in Statistics with Medical Applications (MAST26).

5. A student who has been awarded sixty credits in respect of units listed at 2A and 2B above, of which twenty credits are in respect of MAS6002 and twenty credits are in respect of MAS6061, will be eligible for the award of the Postgraduate Certificate in Statistics with Medical Applications (MAST28); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who fails to satisfy this requirement may be permitted by the Faculty to become instead a student for the Postgraduate Certificate in Statistics (MAST08).

6. The Examiners may recommend the award of a Postgraduate Masters, or a Postgraduate Diploma, with merit or distinction.

7. A student may be permitted to substitute MAS6001, MAS6061 or MAS6062 with MAS6031 Special Topics 1...
and MAS6032 Special Topics 2 subject to the approval of the Head of Department.

8. A student will attend such residential weeks as are prescribed by the Head of Department.

**Year 2**

**MAST23 MSC/STATS WITH MED APP DL (3YR (STATISTICS WITH MEDICAL APPLICATIONS))**

**Year 1**

Year 2

Year 3

**MAST25 PGDIP/STATS WITH MED APP FT (STATISTICS WITH MEDICAL APPLICATIONS)**

**Year 1**

1A. A student will take

<table>
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<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
<th>Year</th>
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<tbody>
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<td>MAS6002</td>
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<td>MAS6005</td>
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<td>MAS6006</td>
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</tr>
<tr>
<td>MAS6061</td>
<td>20</td>
<td>Epidemiology and Time Series</td>
<td>17</td>
</tr>
<tr>
<td>MAS6062</td>
<td>20</td>
<td>Bayesian Methods &amp; Clinical Trials</td>
<td>17</td>
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1B. A student will take 40 credits from this group.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Credits</th>
<th>Title</th>
<th>Year</th>
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<tbody>
<tr>
<td>MAS6003</td>
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</tr>
<tr>
<td>MAS6012</td>
<td>20</td>
<td>Sampling, Design, Medical Statistics</td>
<td>17</td>
</tr>
<tr>
<td>MAS6031</td>
<td>10</td>
<td>Special Topics 1</td>
<td>AUT</td>
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<tr>
<td>MAS6032</td>
<td>10</td>
<td>Special Topics 2</td>
<td>SPR</td>
</tr>
</tbody>
</table>

Unrestricted F7 units to the value of 20 credits.

2. A student who has been awarded sixty credits in respect of units listed at 1A and B above, of which twenty credits are in respect of MAS6002 and twenty credits are in respect of MAS6061, will be eligible for the award of Postgraduate Certificate in Statistics with Medical Applications (MAST27); at the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who fails to satisfy this requirement may be permitted by the Faculty to become instead a student for the Postgraduate Certificate in Statistics (MAST07).

3. The Examiners may recommend the award of a Postgraduate Diploma with merit or distinction.

4. A student who in the opinion of the Head of Department demonstrates sufficient competence in either MAS6001, MAS6061 or MAS6062 may substitute one of these with MAS6031 Special Topics 1 and MAS6032 Special Topics 2.

**MAST26 PGDIP/STATS WITH MED APP DL (STATISTICS WITH MEDICAL APPLICATIONS)**

**Year 1**

1. The programme of study will be pursued by distance learning for not less than two years, and will be subject to a time limit of four years.

2. A student will take MAS6002 F7 Statistical Laboratory ACAD YR 20 credits MAS6005 F7 Professional Skills for Statisticians ACAD YR 10 credits MAS6006 F7 Statistical Consultancy ACAD YR 10 credits MAS6061 F7
Epidemiology and Time Series ACAD YR 20 credits MAS6062 F7 Bayesian Methods & Clinical Trials ACAD YR 20 credits

3. A student will take 40 credits from this group.
   MAS6003  F7  Linear Modelling  ACAD YR 17  20
   MAS6012  F7  Sampling, Design, Medical Statistics  ACAD YR 17  20
   MAS6031  F7  Special Topics 1  AUT SEM 17  10
   MAS6032  F7  Special Topics 2  SPR SEM 17  10
   Unrestricted F7 units to the value of 20 credits.

4. A student who has been awarded sixty credits in respect of units listed at 2, and 3. above, of which twenty credits are in respect of MAS6002 and twenty credits are in respect of MAS6061, will be eligible for the award of Postgraduate Certificate in Statistics with Medical Applications (MAST28): At the discretion of the examiners, the requirement that the credits awarded include MAS6002 may be waived. A student who fails to satisfy this requirement may be permitted by the Faculty to become instead a student for the Postgraduate Certificate in Statistics (MAST08).

5. The Examiners may recommend the award of a Postgraduate Diploma with merit or distinction.

6. A student who in the opinion of the Head of Department demonstrates sufficient competence in either MAS6001, MAS6061 or MAS6062 may substitute one of these with MAS6031 Special Topics 1 and MAS6032 Special Topics 2.

Year 2

MAST27 PGCERT/STATS WITH MED APP FT (STATISTICS WITH MEDICAL APPLICATIONS) (2017-2018) (FT)

Year 1

1. Please refer to the regulations for the Masters version of this programme which can be found under MAST21. Students should contact the Department directly for further details of which units will be studied for the Postgraduate Certificate.

MAST28 PGCERT/STATS WITH MED APP DL (STATISTICS WITH MEDICAL APPLICATIONS) (2017-2018) (DL)

Year 1

1. The programme of study will be pursued by distance learning for not less than two years, and will be subject to a time limit of four years.”

2. These regulations are under review. Students should consult with the Department with regard to their programme of study.

MAST30 MSC/ MATHEMATICS FT (MATHEMATICS) (2017-2018) (FT)

Year 1

1A. A student will take 120 credits from this group.
   MAS6052  F7  Stochastic Processes and Finance  ACAD YR 17  20
   MAS6310  F7  Algebra I  ACAD YR 17  20
   MAS6320  F7  Algebra II  ACAD YR 17  20
   MAS6340  F7  Analysis I  ACAD YR 17  20
   MAS6352  F7  Analysis II  ACAD YR 17  20
   MAS6360  F7  Geometry I  ACAD YR 17  20
   MAS6370  F7  Algebraic Topology I  ACAD YR 17  20
Unrestricted F7 units to the value of 20 credits.

1B. A student will take

<table>
<thead>
<tr>
<th>Code</th>
<th>Level</th>
<th>Title</th>
<th>Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAS6600</td>
<td>F7</td>
<td>Dissertation</td>
<td>GRAD YR 17</td>
<td>60</td>
</tr>
</tbody>
</table>

2. A student may proceed to the dissertation only on the recommendation of the Examiners based on performance in the units listed at 1A above.

3. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A above, will be eligible for the award of the Postgraduate Diploma in Mathematics.

4. A student who has been awarded sixty credits in respect of units listed at 1A above, will be eligible for the award of the Postgraduate Certificate in Mathematics.

5. The Examiners may recommend the award of a Postgraduate Masters or a Postgraduate Diploma with merit or distinction.
MBBT09 MSC/HUMAN & MOLECULAR GENETICS (HUMAN AND MOLECULAR GENETICS)  

(2017-2018)  

(FT)  

Year 1  

1(a). A student will take  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Code</th>
<th>Title</th>
<th>Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBB6011</td>
<td>F7</td>
<td>Laboratory Techniques in Molecular Bioscience</td>
<td>GRAD YR 17</td>
<td>30</td>
</tr>
<tr>
<td>MBB6313</td>
<td>F7</td>
<td>Genome Stability and Genetic Change</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>MBB6329</td>
<td>F7</td>
<td>The Genetics of Human Disease</td>
<td>ACAD YR 17</td>
<td>15</td>
</tr>
<tr>
<td>MBB6345</td>
<td>F7</td>
<td>Human Reproduction and Fertility</td>
<td>ACAD YR 17</td>
<td>15</td>
</tr>
<tr>
<td>MBB6402</td>
<td>F7</td>
<td>Literature Review</td>
<td>GRAD YR 17</td>
<td>30</td>
</tr>
<tr>
<td>MBB6405</td>
<td>F7</td>
<td>Advanced Research Topics</td>
<td>ACAD YR 17</td>
<td>15</td>
</tr>
</tbody>
</table>

1(b). A student will take  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Code</th>
<th>Title</th>
<th>Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBB6403</td>
<td>F7</td>
<td>Research Project</td>
<td>GRAD YR 17</td>
<td>60</td>
</tr>
</tbody>
</table>

2. A student may proceed to the Research Project on the recommendation of the Examiners based on performance in the units listed at 1(a).  

3. A student who has been awarded one hundred and twenty credits in respect of units listed at 1(a) and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Human and Molecular Genetics.  

4. A student who has been awarded sixty credits in respect of units listed at 1(a) and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Certificate in Human and Molecular Genetics.  

5. An alternative list will be provided in 1(a) where a student has previously taken one or more MBB undergraduate units with content that substantially overlaps that of units in 1(a).

MBBT12 MSC/MOLECULARBIO&BIOTCECH (MOLECULAR BIOLOGY AND BIOTECHNOLOGY)  

(2017-2018)  

(FT)  

Year 1  

1A. A student will take  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Code</th>
<th>Title</th>
<th>Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBB6011</td>
<td>F7</td>
<td>Laboratory Techniques in Molecular Bioscience</td>
<td>GRAD YR 17</td>
<td>30</td>
</tr>
<tr>
<td>MBB6303</td>
<td>F7</td>
<td>Cells as Factories</td>
<td>ACAD YR 17</td>
<td>15</td>
</tr>
<tr>
<td>MBB6405</td>
<td>F7</td>
<td>Advanced Research Topics</td>
<td>ACAD YR 17</td>
<td>15</td>
</tr>
<tr>
<td>MBB6502</td>
<td>F7</td>
<td>Literature Review</td>
<td>ACAD YR 17</td>
<td>15</td>
</tr>
</tbody>
</table>

1B. A student will take 45 credits from this group.  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Code</th>
<th>Title</th>
<th>Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPE6027 *</td>
<td>F7</td>
<td>Advanced Bioprocess Design Project</td>
<td>AUT SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>CPE6028</td>
<td>F7</td>
<td>Advanced Biochemical Engineering</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>MBB6304</td>
<td>F7</td>
<td>Plant Biotechnology</td>
<td>ACAD YR 17</td>
<td>15</td>
</tr>
<tr>
<td>MBB6325</td>
<td>F7</td>
<td>The RNA World</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>MBB6340</td>
<td>F7</td>
<td>The Microbiology of Extreme Environments</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
</tbody>
</table>

1C. A student will take  

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Code</th>
<th>Title</th>
<th>Year</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBB6403</td>
<td>F7</td>
<td>Research Project</td>
<td>GRAD YR 17</td>
<td>60</td>
</tr>
</tbody>
</table>

2. A student may proceed to the Research Project on the recommendation of the Examiners based on performance in the units listed at 1(a) and 1(b).  

3. A student who has been awarded one hundred and twenty credits in respect of units listed at 1(a) and 1(b), and who does not complete the requirements for the Degree of MSc shall be eligible for the award of the Postgraduate Diploma in Molecular Biology and Biotechnology (MBBT13).  

4. A student who has been awarded sixty credits in respect of units listed at 1(a) and 1(b) and who does not complete the requirements for the Degree of MSc shall be eligible for the award of the Postgraduate Certificate in Molecular Biology and Biotechnology (MBBT14).
PHYT01 MSC/NANOSCALE SCI & TECH FT (NANOSCALE SCIENCE AND TECHNOLOGY)  
(2017-2018)  
(FT)

Year 1

1. This Programme is no longer running and has no trailing students
2. A student will register at Sheffield at the beginning of the programme of study as a student of both the University of Sheffield and the University of Leeds. A student will have appropriate access to the facilities of both Universities but will be required to attend at the University identified in accordance with the following Regulations.
3. In the case of a part-time student the programme of study will be pursued for not less than eighteen months and will be subject to a time-limit of three years.
4A. At the University of Sheffield
   A student will take
4B. At the University of Leeds
   A student will take
4C. A unit to the value of 60 credits from the following at either university
   A student will take 60 credits from this group.
   CHM602 F7 Nanoscale Project
   GRAD YR 17 60
5. The Examiners (including the External Examiner) will be appointed jointly by the two Universities.
6. A student will carry out project work at whichever of the two Universities is more appropriate for the conduct of the work. A student who elects to carry out the work in the University of Leeds will remain subject to these Regulations but will be a student for the Degree of MSc of the University of Leeds and not for the Degree of MSc of the University of Sheffield.
7. A student who has been awarded one hundred and twenty credits in respect of units listed at 4A, B and C above will be eligible for the award of the Postgraduate Diploma in Nanoscale Science and Technology.
8. A student who has been awarded sixty credits in respect of units listed at 4A, B and C above will be eligible for the award of the Postgraduate Certificate in Nanoscale Science and Technology.
9. The Examiners may recommend the award of a Postgraduate Diploma with merit or distinction.

PHYT07 MSC/NANOELECTRONICS & MECH FT (NANOELECTRONICS AND MECHANICS)  
(2017-2018)  
(FT)

Year 1

1. This Programme is no longer running and has no trailing students
2. A student will register at Sheffield at the beginning of the programme of study as a student of both the University of Sheffield and the University of Leeds. A student will have appropriate access to the facilities of both Universities but will be required to attend at the University identified in accordance with the following Regulations.
3. In the case of a part-time student the programme of study will be pursued for not less than eighteen months and will be subject to a time-limit of three years.
4A. At the University of Sheffield
   A student will take
4B. At the University of Leeds
   A student will take
4C. at the University of Sheffield
   A student will take 60 credits from this group.
5. The Examiners (including the External Examiner) will be appointed jointly by the two Universities.
6. A student will carry out project work at whichever of the two Universities is more appropriate for the conduct of the work. A student who elects to carry out the work in the University of Leeds will remain subject to these
Regulations but will be a student for a Degree of the University of Leeds and not for the Degree of MSc of the University of Sheffield.

7. A student who has been awarded *one hundred and twenty* credits in respect of units listed at 4A, B and C above will be eligible for the award of the Postgraduate Diploma in Nanoelectronics and Nanomechanics.

8. A student who has been awarded *sixty* credits in respect of units listed at 4A and B above will be eligible for the award of the Postgraduate Certificate in Nanoelectrics and Nanomechanics.

9. The Examiners may recommend the award of a Postgraduate Diploma with merit or distinction.

**PHYT16 MSC/MOLECULARSCALE ENG FT(DTC)**

(MOLECULAR SCALE ENGINEERING) (2017-2018) (FT)

Year 1

**PHYT17 MRES/PARTICLE PHYSICS (PARTICLE PHYSICS)** (2017-2018) (FT)

Year 1

1. A student will take

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY426</td>
<td>Dark Matter and the Universe</td>
<td>AUT</td>
<td>10</td>
</tr>
<tr>
<td>PHY449</td>
<td>Further Quantum Mechanics</td>
<td>SPR</td>
<td>10</td>
</tr>
<tr>
<td>PHY466</td>
<td>The Development of Particle Physics</td>
<td>AUT</td>
<td>10</td>
</tr>
<tr>
<td>PHY481</td>
<td>Advanced Electrodynamics</td>
<td>AUT</td>
<td>10</td>
</tr>
<tr>
<td>PHY6340</td>
<td>Physics Research Skills</td>
<td>ACAD YR</td>
<td>30</td>
</tr>
<tr>
<td>PHY6480</td>
<td>Research Project in Physics</td>
<td>ACAD YR</td>
<td>90</td>
</tr>
</tbody>
</table>

2. A student will take 20 credits from this group.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY414</td>
<td>An Introduction to General Relativity</td>
<td>SPR</td>
<td>10</td>
</tr>
<tr>
<td>PHY418</td>
<td>Particle Astrophysics</td>
<td>AUT</td>
<td>10</td>
</tr>
<tr>
<td>PHY421</td>
<td>Advanced Particle Physics</td>
<td>SPR</td>
<td>10</td>
</tr>
<tr>
<td>PHY447</td>
<td>Physics in an Enterprise Culture</td>
<td>SPR</td>
<td>10</td>
</tr>
<tr>
<td>PHY472</td>
<td>Advanced Quantum Mechanics</td>
<td>AUT</td>
<td>10</td>
</tr>
<tr>
<td>PHY482</td>
<td>Semiconductor Physics and Technology</td>
<td>SPR</td>
<td>10</td>
</tr>
<tr>
<td>PHY6339</td>
<td>Statistical Physics</td>
<td>ACAD YR</td>
<td>10</td>
</tr>
<tr>
<td>PHY6380</td>
<td>Physics Research Skills</td>
<td>ACAD YR</td>
<td>30</td>
</tr>
<tr>
<td>PHY6480</td>
<td>Research Project in Physics</td>
<td>ACAD YR</td>
<td>90</td>
</tr>
</tbody>
</table>

3. A student can receive a PG Certificate in Particle Physics if they successfully complete PHY6340 and 30 credits from any other core or optional modules, excluding PHY6480

**PHYT19 MRES/QNTMPHTNICS&NANMTRLS (QUANTUM PHOTONICS AND NANOMATERIALS)** (2017-2018) (FT)

Year 1

1. A student will take

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY475</td>
<td>Optical Properties of Solids</td>
<td>AUT</td>
<td>10</td>
</tr>
<tr>
<td>PHY481</td>
<td>Advanced Electrodynamics</td>
<td>AUT</td>
<td>10</td>
</tr>
<tr>
<td>PHY482</td>
<td>Semiconductor Physics and Technology</td>
<td>SPR</td>
<td>10</td>
</tr>
<tr>
<td>PHY6340</td>
<td>Physics Research Skills</td>
<td>ACAD YR</td>
<td>30</td>
</tr>
<tr>
<td>PHY6380</td>
<td>Solid State Physics</td>
<td>ACAD YR</td>
<td>10</td>
</tr>
<tr>
<td>PHY6480</td>
<td>Research Project in Physics</td>
<td>ACAD YR</td>
<td>90</td>
</tr>
</tbody>
</table>

1. A student will take 20 credits from this group.
3. A student can receive a PG Certificate in Quantum Photonics and Nanomaterials if they successfully complete PHY6340 and 30 credits from any other core or optional modules, excluding PHY6480.

**PHYT97 MSC/BIONANOTECHNLGY (INTG STD)**

**(BIONANOTECHNOLOGY)**

**(2017-2018)**

**(FT)**

**Year 1**

1. **This programme is no longer running and has no trailing students**

2A. At the University of Sheffield
   A student will take

2B. At the University of Leeds
   A student will take

2C. A student will take 60 credits from this group.

3. A student will take (as part of the requirements for the Degree of PhD with Integrated Studies and unless exempted) Research Training Programme units to the value of forty-five credits as prescribed by the Head of Department following consultation with the student (in the case of a student who commenced the programme of study and research before September 2010), or will engage with the Doctoral Development Programme as student in the Regulations for the Doctoral Development Programme (in the case of a student commencing the programme of study and research in or after September 2010).

4. A student will (as part of the requirements for the Degree of PhD with Integrated Studies) complete satisfactorily the following
   (i) **ELT** Intensive English Language Training *(optional)*
   (ii) **in the first year**
        Y1.1 Induction Meeting
        Y1.2 Managing Research Time
   (iii) **in the second year**
        Y2.1 Speaking Skills for Research Purposes
        Y2.2 Masters Research Projects Oral Presentations
   (iv) **in the third year**
        Y3.1 Research Poster Presentations
   (v) **in the fourth year**
        Y4.1 Thesis Writing and Viva Preparation
        Y4.2 Graduate Research Conference - Oral Presentations

5. A student will be expected to attend at least two Career Management Skills sessions during the four year programme.

6. A student who does not complete the requirements for the Degree of MSc may be eligible instead for the award of the Postgraduate Diploma or the Postgraduate Certificate in Bionanotechnology in accordance with the Regulations for the Degree of MSc in Bionanotechnology. Such a student will not be permitted to continue as a student for the Degree of PhD with Integrated Studies.

7. A student who does not pass CHM602, MAT6045 or PHY6009 (Project) listed at 2C above with a minimum mark of 60% at the first attempt will be ineligible to proceed to the degree of PhD.

**PHYT98 MSC/NANOMATFORNANOENG (INGT ST)**
Year 1

1. **This programme is no longer running and has no trailing students**

2A. at the University of Sheffield
   
   A student will take

2B. At the University of Leeds
   
   A student will take

2C. A student will take 60 credits from this group.

3. A student will take (as part of the requirements for the Degree of PhD with Integrated Studies and unless exempted) Research Training Programme units to the value of forty-five credits as prescribed by the Head of Department following consultation with the student (in the case of a student who commenced the programme of study and research before September 2010), or will engage with the Doctoral Development Programme as prescribed in the Regulations for the Doctoral Development Programme (in the case of a student commencing the programme of study and research in or after September 2010).

4. 1F A student will (as part of the requirements for the Degree of PhD with Integrated Studies) complete satisfactorily the following

   (i) ELT Intensive English Language Training (optional)

   (ii) in the first year
        Y1.1 Induction Meeting
        Y1.2 Managing Research Time

   (iii) in the second year
        Y2.1 Speaking Skills for Research Purposes
        Y2.2 Masters Research Projects - Oral Presentations

   (iv) in the third year
        Y3.1 Research Poster Presentations

   (v) in the fourth year
        Y4.1 Thesis Writing and Viva Preparation
        Y4.2 Graduate Research Conference - Oral Presentations

5. A student will be expected to attend at least two Career Management Skills sessions during the four year programme. A student who does not complete the requirements for the Degree of MSc may be eligible instead for the award of the Postgraduate Diploma or the Postgraduate Certificate in Nanomaterials for Nanoengineering in accordance with the Regulations for the Degree of MSc in Nanomaterials for Nanoengineering. Such a student will not be permitted to continue as a student for the Degree of PhD with Integrated Studies.

6. A student who does not pass CHM602, MAT6045 or PHY6009 (Project) listed at 2C above with a minimum mark of 60% at the first attempt will be ineligible to proceed to the degree of PhD.
Year 1
PSYT107 MSC/PSY RESEARCH METHODS FT
(PSYCHOLOGICAL RESEARCH METHODS)

Year 1

1A. A student will take

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Year</th>
<th>Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY6010*</td>
<td>F7</td>
<td>Multivariate Methods for Personality and Social Psychology</td>
<td>AUT SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6121</td>
<td>F7</td>
<td>Research Methods</td>
<td>SPR SEM 17</td>
<td>30</td>
</tr>
<tr>
<td>PSY6122</td>
<td>F7</td>
<td>Current Issues in Psychological Research</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6231</td>
<td>F7</td>
<td>Professional Skills for Psychologists</td>
<td>ACAD YR 17</td>
<td>30</td>
</tr>
<tr>
<td>PSY6232</td>
<td>F7</td>
<td>Systematically Reviewing Psychological Research</td>
<td>ACAD YR 17</td>
<td>30</td>
</tr>
</tbody>
</table>

1B. A student will take

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Year</th>
<th>Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY6110</td>
<td>F7</td>
<td>Research Project in Psychology</td>
<td>GRAD YR 17</td>
<td>60</td>
</tr>
</tbody>
</table>

2. A person may be admitted as a student who is a recognised graduate with a 2:1 Honours or equivalent in Psychology or related subject and must have undergraduate training in Statistics for Psychology.

3. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Psychological Research Methods.

4. A student who has been awarded sixty credits in respect of units listed in 1A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Certificate in Psychological Research Methods.

PSYT12 MSC/COG & COMP NEUROSCI (FT) (COGNITIVE AND COMPUTATIONAL NEUROSCIENCE)

Year 1

1A. A student will take

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Year</th>
<th>Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY6305</td>
<td>F7</td>
<td>Fundamentals of Cognitive Neuroscience</td>
<td>AUT SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6306</td>
<td>F7</td>
<td>Fundamentals of Neuroscience</td>
<td>AUT SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6307</td>
<td>F7</td>
<td>Computational Neuroscience 1: Biologically Grounded Models</td>
<td>AUT SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6308</td>
<td>F7</td>
<td>Computational Neuroscience 2: Theoretical Models</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6309</td>
<td>F7</td>
<td>Mathematical Modelling and Research Skills</td>
<td>AUT SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6310</td>
<td>F7</td>
<td>Brain Imaging and its Physical Foundations</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6315</td>
<td>F7</td>
<td>Current Issues in Systems Neuroscience</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6316</td>
<td>F7</td>
<td>Current Issues in Cognitive Neuroscience</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
</tbody>
</table>

1B. A student will take

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Year</th>
<th>Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY6321</td>
<td>F7</td>
<td>Research Project in Cognitive and Computational Neuroscience</td>
<td>SPR SEM 17</td>
<td>60</td>
</tr>
</tbody>
</table>

2. A student who has been awarded one hundred and twenty credits in respect of units listed in 1A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Cognitive and Computational Neuroscience.

3. A student who has been awarded sixty credits in respect of units listed in 1A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Certificate in Cognitive and Computational Neuroscience.

PSYT15 PGCERT/LW INT PSY INTVN (ENHAN (LOW INTENSITY PSYCHOLOGICAL INTERVENTIONS - ENHANCED)}

Year 1

1A. A student will take

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Year</th>
<th>Title</th>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY6321</td>
<td>F7</td>
<td>Research Project in Cognitive and Computational Neuroscience</td>
<td>SPR SEM 17</td>
<td>60</td>
</tr>
</tbody>
</table>

2. A student who has been awarded one hundred and twenty credits in respect of units listed in 1A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Cognitive and Computational Neuroscience.

3. A student who has been awarded sixty credits in respect of units listed in 1A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Certificate in Cognitive and Computational Neuroscience.
**Year 1**

1. A student will take

   - PSY6014 F7 Low Intensity Interventions for Mental Health Problems AUT SEM 17 30
   - PSY6015 F7 Social Healthcare: Values, Diversity and Context SPR SEM 17 30

2. A person may be admitted as a student who: (a) has a recognised degree at 2:2 or above in a health related discipline or (b) has extensive experience of work in a mental healthcare setting and a demonstrated capacity to work at a masters level, and will either be employed in a primary care setting or have managerial support for access to patients in primary care settings. Except with the permission of the Faculty it will be a condition of registration that a student is to be an employee of the National Health Service or of an employer deemed to be equivalent.

3. The programme of study will be pursued for one year full-time. Supervised clinical practice will be for a minimum of four days per week in the students work place throughout the programme of study with a combined total of 40 hours clinical and case management supervision and 80-150 hours clinical practice.

4. A student who fails in any part of the examination may be permitted to retake that part of the examination on one occasion only. Should the second submission fail, the student will be asked to submit mitigating circumstances for the Exam Board to consider. If the Board upholds the presence of mitigating circumstances, then a third and final submission is requested. The second submission will be deemed not assessed and does not count towards the accrued fail total. If mitigating circumstances are not upheld, then the second submission stands. The Exam Board will then take action under the Progress of Students regulations. Should a trainee accrue three fails in any one module at any one time then the Exam Board will take action under the Progress of Students regulations.

5. A student will undertake clinical work including the production of a Practice Portfolio. The Practice Portfolio needs to be passed to pass the course.

6. The student will undertake: a) case management supervision b) clinical supervision c) assessment of clinical competence in the workplace d) reflective writing e) a process review of case management supervision f) assessment of clinical competency in the University and g) observed structured clinical exams

7. The programme of study will be pursued for one year by a full time student. A single extension to registration of one year is the maximum. Supervised practice in low intensity work in IAPT services will be for a period of four days per week throughout the programme of study.

8. A student who contravenes the standards of conduct, performance and ethics for the British Association of Behavioural and Cognitive Psychotherapy or the Generic Professional Practice Guidelines of the British Psychological Society may be dealt with under General Regulations as to Progress of Students, the General Regulations relating to Student Fitness to Practice or the General Regulations as to the Discipline of Students.

9. No aegrotat award can be made from this programme.

**PSYT16 PGDIP/HIGH INTENS PSY INTERVEN (HIGH INTENSITY PSYCHOLOGICAL INTERVENTIONS)**

(2017-2018)

(FT)

**Year 1**

1. A student will take

   - PSY6011 F7 The Fundamentals of Cognitive Behavioural Therapy ACAD YR 17 40
   - PSY6012 F7 Cognitive Behaviour Therapy for Anxiety Disorders ACAD YR 17 40
   - PSY6013 F7 Cognitive Behavioural Therapy for Depression ACAD YR 17 40

2. A person may be admitted as a student who has a professional qualification that enables them to work in the mental health services, such as clinical psychology, psychotherapy, nursing, or counselling, and will either be employed in a primary care setting or have managerial support for access to patients in primary care settings. Persons without a professional training (such as graduate mental health workers) or PWP's will be admitted under the British Association of Behavioural and Cognitive Psychotherapies Knowledge Skills and Attitude protocol (BABCP KSA). PWP's need to have been qualified and working as a PWP for two years to be considered for the course. Except with the permission of the Faculty it will be a condition of registration that a student is to be an employee of the National Health Service or of an employer deemed to be equivalent.

3. The programme of study will be pursued for one year full-time. Supervised clinical practice will be for a minimum of three days per week in the students work place throughout the programme of study, with a minimum of 70 hours clinical supervision and a total of 200 hours clinical CBT contact.
4. A student who fails in any part of the examination may be permitted to retake that part of the examination on one occasion only. Should the second submission fail, the student will be asked to submit any mitigating circumstances for the Exam Board to consider. If the Board upholds the presence of mitigating circumstances, then a third and final submission is requested. The second submission will be deemed not assessed and does not count towards the accrued fail total. If mitigating circumstances are not upheld then the second fail stands. The Exam Board will then take action under the Progress of Students regulations. Should a trainee accrue two fails or borderline fails in any one module at any one time then the Exam Board will take action under the Progress of Students regulations.

5. A student will undertake clinical work to enable the production of a Practice Portfolio which needs to be passed to pass the course.

6. Assessments will include: a) an OSCE b) assessment of clinical competence in the workplace c) two case studies d) one case based literature review e) assessment of clinical competence in the University and f) engagement in SP/SR and clinical supervision.

7. The programme of study will be pursued for one year by a full time student. A single extension to registration of one year is the maximum. Supervised practice in CBT in IAPT services will be for a period of three days per week throughout the programme of study.

8. A student who contravenes the standards of conduct, performance and ethics for the British Association of Behavioural and Cognitive Psychotherapy may be dealt with under general regulations as to progress of students, the general regulations relating to student fitness to practice or the general regulations as to discipline of students.

9. No aegrotat awards can be made from this programme.

PSYT18 MSC/COG & COMP NROSCI (INT STD (COGNITIVE AND COMPUTATIONAL NEUROSCIENCE) (2017-2018) (FT)

Year 1

PSYT23 MSC(RES)/COG NSCI & HMN NEURO (COGNITIVE NEUROSCIENCE AND HUMAN NEURO-IMAGING) (2017-2018) (FT)

Year 1

1A. A student will take

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>MED624</td>
<td>F7</td>
<td>Applied Neuroimaging, Neurophysiology and Psychiatry</td>
<td>15</td>
<td>ACAD YR 17</td>
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<tr>
<td>MED634</td>
<td>F7</td>
<td>MRes Research Project Psychiatry</td>
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<td>ACAD YR 17</td>
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<td>PSY6305</td>
<td>F7</td>
<td>Fundamentals of Cognitive Neuroscience</td>
<td>15</td>
<td>AUT SEM 17</td>
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<tr>
<td>PSY6306</td>
<td>F7</td>
<td>Fundamentals of Neuroscience</td>
<td>15</td>
<td>AUT SEM 17</td>
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1B. one of the following

<table>
<thead>
<tr>
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<th>Type</th>
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<th>Credit</th>
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</thead>
<tbody>
<tr>
<td>i</td>
<td>PSY6307</td>
<td>Computational Neuroscience 1: Biologically Grounded Models</td>
<td>15</td>
</tr>
<tr>
<td>i</td>
<td>PSY6309</td>
<td>Mathematical Modelling and Research Skills</td>
<td>15</td>
</tr>
<tr>
<td>i</td>
<td>PSY6310</td>
<td>Brain imaging and its physical foundations</td>
<td>15</td>
</tr>
<tr>
<td>ii</td>
<td>BMS6054</td>
<td>Ethics and Public Awareness of Science</td>
<td>15</td>
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<tr>
<td>ii</td>
<td>MED661</td>
<td>Applied Neuroanatomy and Clinical Neuroscience</td>
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<tr>
<td>ii</td>
<td>PSY6319</td>
<td>Brain Imaging and Clinical Neurology</td>
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</table>

2. The programme of study will be pursued for one year full-time.

3. A student who has been awarded sixty credits in respect of units listed in 1A and 1B above will be eligible for the award of the Postgraduate Certificate in Cognitive Neuroscience and Human Neuro-Imaging.

PSYT24 MSC/PSY RESEARCH METHODS PT (PSYCHOLOGICAL RESEARCH METHODS) (2017-2018)
Year 1

1A. A student will take

- PSY6010 F7 Intermediate Multivariate Statistics for Psychology AUT SEM 17 15
- PSY6121 F7 Research Methods AUT SEM 17 30
- PSY6122 F7 Current Issues in Psychological Research SPR SEM 17 15
- PSY6232 F7 Systematically Reviewing Psychological Research ACAD YR 17 30

Year 2

2A. A student will take

- PSY6231 F7 Professional Skills for Psychologists ACAD YR 17 30

2B. A student will take

- PSY6110 F7 Research Project in Psychology GRAD YR 17 60

3. A person may be admitted as a student who is a recognised graduate with a 2:1 Honours or equivalent in Psychology or related subject and must have undergraduate training in Statistics for Psychology.

The programme of study will be pursued for not less than two years by a part-time student and will normally be subject to a time limit of three years. A student must contact the Department for further details on which units are studied in which year.

A student who has been awarded one hundred and twenty credits in respect of units listed at 1A and 2A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Psychological Research Methods.

A student who has been awarded sixty credits in respect of units listed in 1A and 2A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Certificate in Psychological Research Methods.

PSYT35 MSC/PSYCHRESMETHDSW/ADVSTATSF
(PSYCHOLOGICAL RESEARCH METHODS WITH ADVANCED STATISTICS) (2017-2018) (PT)

Year 1

1A. A student will take

- PSY6010 F7 Intermediate Multivariate Statistics for Psychology AUT SEM 17 15
- PSY6121 F7 Research Methods AUT SEM 17 30
- PSY6210 F7 Advanced Statistical Methods for Psychologists SPR SEM 17 15
- PSY6231 F7 Professional Skills for Psychologists ACAD YR 17 30
- PSY6232 F7 Systematically Reviewing Psychological Research ACAD YR 17 30

1B. A student will take

- PSY6233 F7 Research Project in Psychology with Advanced Statistics GRAD YR 17 60

2. A person may be admitted as a student who is a recognised graduate with a 2:1 Honours or equivalent in Psychology or related subject and must have undergraduate training in Statistics for Psychology.

3. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A above (to include both statistics modules) and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Psychological Research Methods with Advanced Statistics (PSYT37).

4. A student who has been awarded sixty credits in respect of units listed in 1A above (to include both statistics modules) and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Certificate in Psychological Research Methods with Advanced Statistics (PSYT39).

PSYT36 MSC/PSYCHRESMETHDSW/ADVSTATSP
(PSYCHOLOGICAL RESEARCH METHODS WITH ADVANCED STATISTICS) (2017-2018) (FT)
## Year 1

1A. A student will take

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<th>Course Code</th>
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<th>Course Title</th>
<th>Offered</th>
<th>Credits</th>
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<tr>
<td>PSY6010</td>
<td>F7</td>
<td>Intermediate Multivariate Statistics for Psychology</td>
<td>AUT SEM 17</td>
<td>15</td>
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<tr>
<td>PSY6121</td>
<td>F7</td>
<td>Research Methods</td>
<td>AUT SEM 17</td>
<td>30</td>
</tr>
<tr>
<td>PSY6210</td>
<td>F7</td>
<td>Advanced Statistical Methods for Psychologists</td>
<td>SPR SEM 17</td>
<td>15</td>
</tr>
<tr>
<td>PSY6232</td>
<td>F7</td>
<td>Systematically Reviewing Psychological Research</td>
<td>ACAD YR 17</td>
<td>30</td>
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</table>

## Year 2

2A. A student will take

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<th>Course Code</th>
<th>Year</th>
<th>Course Title</th>
<th>Offered</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSY6231</td>
<td>F7</td>
<td>Professional Skills for Psychologists</td>
<td>ACAD YR 17</td>
<td>30</td>
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</table>

2B. A student will take

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Year</th>
<th>Course Title</th>
<th>Offered</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>PSY6233</td>
<td>F7</td>
<td>Research Project in Psychology with Advanced Statistics</td>
<td>GRAD YR 17</td>
<td>60</td>
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3. A person may be admitted as a student who is a recognised graduate with a 2:1 Honours or equivalent in Psychology or related subject and must have undergraduate training in Statistics for Psychology. The programme of study will be pursued for not less than two years by a part-time student and will normally be subject to a time limit of three years. A student must contact the Department for further details on which units are studied in which year.

4. A student who has been awarded one hundred and twenty credits in respect of units listed at 1A and 2A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Diploma in Psychological Research Methods with Advanced Statistics (PSYT38).

5. A student who has been awarded sixty credits in respect of units listed in 1A and 2A above and who does not complete the requirements for the Degree of MSc will be eligible for the award of the Postgraduate Certificate in Psychological Research Methods with Advanced Statistics (PSYT40).