

**DEGREE OF MASTER IN SCIENCE IN GENETICS WITH INDUSTRIAL PLACEMENT  
(04C40140)**

Students must also comply with the University General Regulations and the Supplementary Regulations for the Award of an Undergraduate Master's Degree

**All the courses listed below are prescribed for this degree**

| PROGRAMME YEAR 1 – 120 Credit Points          |                                      |               |                     |                                   |               |
|---|--------------------------------------|---------------|---------------------|-----------------------------------|---------------|
| First Half Session                            |                                      |               | Second Half Session |                                   |               |
| Course Code                                   | Course Title                         | Credit Points | Course Code         | Course Title                      | Credit Points |
| PD 1001                                       | Professional Skills Part 1           | 0             |                     |                                   |               |
| CM 1020                                       | Chemistry for the Life Sciences 1    | 15            | CM 1512             | Chemistry for the Life Sciences 2 | 15            |
| SM 1001                                       | Introduction to the Medical Sciences | 15            | SM 1501             | The Cell                          | 15            |
| Plus 60 credit points from courses of choice. |                                      |               |                     |                                   |               |

| PROGRAMME YEAR 2 – 120 Credit Points           |  |               |                     |                                      |               |
|--|--|---------------|---------------------|--------------------------------------|---------------|
| First Half-Session                             |  |               | Second Half-Session |                                      |               |
| Course Code                                    | Course Title                           | Credit Points | Course Code         | Course Title                         | Credit Points |
| BI 2017  | Genes And Evolution                    | 15            | BI 25M5             | Microbes, Infection & Immunity       | 15            |
| BI 20M3  | Molecular Biology Of The Gene          | 15            | BI 25M7             | Energy For Life                      | 15            |
| SM 2001  | Foundation Skills for Medical Sciences | 15            | SM 2501             | Research Skills for Medical Sciences | 15            |
| Plus 30 credit points from courses of choice.. |  |               |                     |                                      |               |

| PROGRAMME YEAR 3 – 125 Credit Points          |   |               |                     |  |               |
|---|---|---------------|---------------------|--|---------------|
| First Half-Session                            |   |               | Second Half-Session |  |               |
| Course Code                                   | Course Title                            | Credit Points | Course Code         | Course Title                           | Credit Points |
| BT 3006                                       | Working Out? Placement & Careers Skills | 5             | GN 3502             | Genetics                               | 30            |
| MB 3006                                       | The Molecular Biology of the Cell       | 30            | BC 3503             | The Molecular Control of Cell Function | 30            |
|   |   |               | IM 3501             | Fundamentals of Immunology             | 30            |
| Plus 30 credit points from courses of choice. |   |               |                     |  |               |

| PROGRAMME YEAR 4 – 120 Credit Points |              |               |                     |                      |               |
|--------------------------------------|--------------|---------------|---------------------|----------------------|---------------|
| First Half-Session                   |              |               | Second Half-Session |                      |               |
| Course Code                          | Course Title | Credit Points | Course Code         | Course Title         | Credit Points |
| BT 5007                              |              |               |                     | Industrial Placement | 120           |

| PROGRAMME YEAR 5 – 120 Credit Points<br>HONOURS YEAR |                                    |               |                     |   |               |
|--|------------------------------------|---------------|---------------------|---|---------------|
| First Half-Session                                   |                                    |               | Second Half-Session |   |               |
| Course Code  | Course Title                       | Credit Points | Course Code         | Course Title  | Credit Points |
| GN 4010  | Honours Genetics – Option 1        | 15            | GN 4502             | Genetics Honours Research Project                         | 60            |
| GN 4310  | Honours Genetics – Option 2        | 15            | MB 4901             | Molecular & Cell Biology Honours Exam Data Analysis Paper | 0             |
| MB 4050  | Honours Advanced Molecular Biology | 30            | MB 4902             | Molecular & Cell Biology Honours General Essay Exam       | 0             |

**PLEASE SEE OVER →**

| <b>Notes</b> |  |
|--------------|--|
| 1.           | Honours programme may only be taken by full-time study.  |
| 2.           | For Honours students the examinations for courses taken in the Final Honours Year will be held at the end of the session.  |
| 3.           | Honours candidates are required to take both a two hour general examination (MB 4901) and a three hour problem solving examination (MB 4902) at the end of the Final Honours Year. |