

BACHELOR OF SCIENCE HONOURS IN PHYSICAL SCIENCE (3714)

B.260 ADMISSION

Unless Senate decides otherwise and subject to Rule A.2.3, candidates will be required to meet the following criteria to be enrolled for the degree: **Bachelor of Science Honours - BScHons (Physical Science)**

B.260.1 A student must have obtained a BSc degree with an average of 60% in Physics (Mathematics 211, 221 and 212 or their equivalent are recommended modules for admission to this programme.)

B.261 SELECTION

As only a limited number of students can be admitted to the programme, applicants will be subject to a selection procedure.

B.262 DURATION

Unless Senate decides otherwise the duration of the programme shall extend over one year's full-time study and two years part-time study.

B.263 CURRICULUM

The following streams are offered in the BScHons (Physical Science) programme:

- **Material Science (MATSCI)**
- **Accelerator and Nuclear Physics (MANUS)**

B.263.1 Material Science (MATSCI)

| Module Name | Alpha Code | Cred |
|--|-------------------|-------------|
| Compulsory (select all modules) | | |
| Research Module 709 | PHY709 | 20 |
| Applied and Computational Physics 720 | PHY720 | 30 |
| Theoretical Materials Science 724 | PHY724 | 20 |
| Applied Materials Science 725 | PHY725 | 20 |
| Advanced Analytical Techniques 726 | PHY726 | 30 |
| | TOTAL | 120 |

B.263.2 Accelerator and Nuclear Physics (MANUS)

| Module Name | Alpha Code | Cred |
|--|-------------------|-------------|
| Compulsory (select all modules) | | |
| Research Module 709 | PHY709 | 20 |
| Applied and Computational Physics 720 | PHY720 | 30 |
| Accelerator Science 721 | PHY721 | 20 |
| Quantum and Statistical Physics 722 | PHY722 | 20 |
| Nuclear Physics 723 | PHY723 | 30 |
| | TOTAL | 120 |

B.264 ASSESSMENT

Assessment is governed by Rule A.5 as stipulated in the University Calendar: General Information Part 1.

B.265 PROGRESS RULES

B.265.1 Full-time

Unless Senate decides otherwise, a full-time student shall complete the programme in one year. A student who passed at least 60 credits may proceed with his/her studies to complete the programme the following year.

B.265.2 Part-time

Unless Senate decides otherwise, a part time student shall complete the programme in two consecutive years and accumulate at least 60 credits per annum to proceed with his or her studies. A student who accumulated 90 credits within two years may be allowed to proceed to the following year to complete the programme.

B.266 RENEWAL OF REGISTRATION

The renewal of registration will be governed by the Rule A.4, as stipulated in the University Calendar: General Information Part 1.

B.267 SPECIAL REQUIREMENTS FOR THE PROGRAMME

B.267.1 Full-Time students

The final mark for each theory module will be a combination of marks obtained in tests and assignments (for example, computer tasks, essays, literature reviews or oral presentations).

B.267.2 Part-Time students

As above, except that the student takes 2 theory modules per year over a two-year period (in total 4 modules plus the Research module). The Honours Research module can be completed at any time during the two years.

B.267.3 Contact Time

Lectures per week: 10

Research module / Practical work: An average of 6 hours per week