

BACHELOR OF SCIENCE HONOURS IN ASTROPHYSICS (3793)

B.292 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 (Astrophysics)**

B.292.1 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.293 SELECTION

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

B.294 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.295 CURRICULUM

The honours course in Astrophysics is presented in conjunction with the National Astrophysics and Space Science Programme (NASSP) at the University of Cape Town under a Memorandum of Agreement.

B.295.1 Astrophysics

Module Name	Alpha Code	Cred
Core Modules		
Research Module 701	ASP701	30
	Sub Total	30
Electives (to the total sum of 90 credits chosen from:)		
Spectroscopy 702	ASP702	10
General Astrophysics 703	ASP703	10
Computational Methods in Astronomy 704	ASP704	20
Advanced topics in Physics 706	ASP706	10
Geospace 707	ASP707	10
General Relativity 708	ASP708	10
Observational Techniques 709	ASP709	10
Cosmology 710	ASP710	10
Space Science topics 711	ASP711	20
Advanced topics in Astrophysics 712	ASP712	20
Electrodynamics 713	ASP713	10
	Sub Total	90
	TOTAL	120

B.296 ASSESSMENT

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

B.297 PROGRESS RULES

B.297.1 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.297.2 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.298 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.299 SPECIAL REQUIREMENTS FOR THE PROGRAMME

B.299.1 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.299.2 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.299.3 Contact Time

Lectures per week: 10

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