

DEGREE OF BACHELOR OF SCIENCE IN MATHEMATICS – PHYSICS (04FG3170)

**DESIGNATED DEGREE OF BACHELOR OF SCIENCE IN MATHEMATICS – PHYSICS
(04FG3189)**

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Bachelor of Science

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			
MA 1005	Calculus I	15	MA 1508	Calculus II	15
MA 1006	Algebra	15	MA 1511	Set Theory	15
PX 1015	The Physical Universe A	15	PX 1513	The Physical Universe B	15
Plus 30 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
MA 2008	Linear Algebra I	15	MA 2508	Linear Algebra II	15
MA 2009	Analysis I	15			
PX 2013	Light Science	15	MA 2509	Analysis II	15
PX 2015	Dynamical Phenomena	15	PX 2510	Relativity And Quantum Mechanics	15
Plus 15 credit points from courses of choice.					

PROGRAMME YEAR 3 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit Points	Course Code	Course Title	Credit Points
MX 3020	Group Theory	15	<i>EITHER</i> MX 3531	Rings and Fields	15
MX 3035	Analysis III	15	<i>OR</i> MX3536	Differential Equations	15
PX 3014	Energy and Matter	15	MX 3535	Analysis IV	15
PX 3017	Research and Computing Skills	15	PX 3511	Quantum Mechanics	15
			PX 3512	Electricity and Magnetism	15

PROGRAMME YEAR 4 – 120 Credit Points					
First Half-Session			Second Half-Session		
Course Code	Course Title	Credit points	Course Code	Course Title	Credit points
PX 4011	Project A				30
PX 4012	Statistical Physics and Stochastic Systems	15	MX 4557	Complex Analysis	15
Plus 45 credit points from MX4 courses and 15 credit points from PX4 courses.					
A graduating curriculum for the Honours programme must include 90 credit points from Level 4 courses.					

Notes	
1.	Where alternatives are offered, choice may be restricted by timetable constraints.
2.	Candidates seeking entry to the Junior Honours programme must have accumulated, by award or recognition, or been exempted from, at least 240 credit points at levels 1 and 2, including those compulsory courses required to enter programme year 3.