

FACULTY OF NATURAL SCIENCES
JAMIA MILLIA ISLAMIA, NEW DELHI-110025

B.Sc. (General) Programme Structure under CBCS

Semester	Qualifying Courses	Compulsory Courses	Core Courses (Select any two streams)					CBCS Courses	Skill Enhancement Courses (SEC)	Ability Enhancement Compulsory Courses (AECC)	Total Number of Courses (Credit Courses + Qualifying Courses)	Total Credits
			Physics	Chemistry	Mathematics	Computer Science	Geography					
I	Islamiat IRC/HRC* General Urdu*	English**	PH1	CH1	MT1	CS1	GE1	-	-	-	3+2*=5	12
II	Islamiat IRC/HRC* General Urdu*	English**	PH2	CH2	MT2	CS2	GE2	-	-	-	3+2*=5	12
III	-	-	PH3 PH4	CH3 CH4	MT3 MT4	CS3 CS4	GE3 GE4	Choose One CBCS Course	-	-	5	20
IV	-	-	PH5 PH6	CH5 CH6	MT5 MT6	CS5 CS6	GE5 GE6	Choose One CBCS Course	-	-	5	20
V	-	-	PH7 PH8	CH7 CH8	MT7 MT8	CS7 CS8	GE7 GE8	Choose One CBCS Course	-	-	5	20
VI	-	-	PH9	CH9	MT9	CS9	GE9	Choose One CBCS Course	Project	Tutorial	5	20
No. of Courses	4	2	9	9	9	9	9	4	1	1	26+4=30	-
Total Credits	-	4x2=8	4x9 = 36	4x9 = 36	4x9 = 36	4x9 = 36	4x9 = 36	4x4 = 16	4x1=4	4x1=4	-	104

Note: *Not to be counted in the Credit/ Merit.

** Those students who have secured more than 75% marks in English in 12th Class may opt a language other than English.

FACULTY OF NATURAL SCIENCES
JAMIA MILLIA ISLAMIA, NEW DELHI-110025

Details of the Core Courses for
B.Sc. (General) under CBCS

Semester	Physics			Chemistry			Mathematics			Computer Science			Geography		
	Course Title	L-T-P	Credits	Course Title	L-T-P	Credits	Course Title	L-T-P	Credits	Course Title	L-T-P	Credits	Course Title	L-T-P	Credits
I	Mechanics	3-0-2	4	Inorganic Chemistry-I	3-0-2	4	Calculus	4-0-0	4	Computer Organization	3-1-0	4	Physical basis of Geography	3-0-2	4
II	Thermal Physics	3-0-2	4	Organic Chemistry-I	3-0-2	4			4	Programming and Problem Solving using C	3-0-2	4	Human Geography	3-0-2	4
III	Electricity and Magnetism	3-0-2	4	Inorganic Chemistry-II	3-0-2	4			4	Object Oriented Programming using C++	3-0-2	4	Fundamentals of Remote Sensing and GIS	3-0-2	4
	Elementary Quantum Mechanics	4-0-0	4	Physical Chemistry-I	3-0-2	4			4	Data Structures	3-0-2	4	World Regional Geography	4-0-0	4
IV	Optics	3-0-2	4	Organic Chemistry-II	3-0-2	4			4	Database Management System	3-0-2	4	Environmental Issues	4-0-0	4
	Atomic and Mol Physics	4-0-0	4	Physical Chemistry-II	3-0-2	4			4	Applied Operating System	4-0-0	4	Geography of India	4-0-0	4
V	EM Theory	4-0-0	4	Inorganic Chemistry-III	3-0-2	4			4	Computer Networks	4-0-0	4	Regional Development and Planning	4-0-0	4
	Solid State Physics	4-0-0	4	Organic Chemistry-III	3-0-2	4			4	Visual Programming	3-0-2	4	Population and Development	4-0-0	4
VI	Nuclear and Particle Physics	4-0-0	4	Physical Chemistry-III	3-0-2	4			4	Multimedia Applications	3-0-2	4	Economic Geography	4-0-0	4

CBCS