

MUTHAYAMMAL COLLEGE OF ARTS & SCIENCE, RASIPURAM – 637 408

B.SC., BIOINFORMATICS- CHOICE BASED CREDIT SYSTEM

(For the students admitted from the year 2008-2009 on words)

Name of the Course	Semester	Part	Subject Code	Subject	Hours				Marks		
					L	T	P	C	CIA	EA	Total
I - B.Sc., Bioinformatics	I	I	08UFTA01	Tamil I/ French I / Hindi I	6			3	25	75	100
		II	08UFEN01	English - I	6			3	25	75	100
		III	08UBI01	Cell Biology				4	25	75	100
			08UMAA08	Allied I : Basic Mathematics				4	25	75	100
			08UVE01	Value Education				2	25	75	100
	II	I	09UFTA02	Tamil – II/ French II / Hindi II	6			3	25	75	100
		II	09UFEN02	English –II	6			3	25	75	100
		III	08UBI02	Biophysics				4	25	75	100
			08UBIP01	Major Practical – I (Cell Biology & Biophysics)				6	40	60	100
			08UCSA01	Allied II : Fundamentals of Computer and office automation				4	25	75	100
			08UCSAP01	Allied Practical – I (Computer lab)				6	25	75	100
			08UES01	Env.Studies				2	25	75	100
		IV		NME-1 Fundamentals of Bioinformatics				2	25	75	100
II - B.Sc., Bioinformatics	III	I	08UFTA03	Tamil III / French III / Hindi III	6			3	25	75	100
		II	08UFEN03	English - III	6			3	25	75	100
		III		Microbiology	4	25	75	100			
				Allied III: Chemistry	4	25	75	100			
		IV		NME – 2 Applications of Bioinformatics	4	25	75	100			
	IV	I	08UFTA04	Tamil IV / French IV / Hindi IV	6			3	25	75	100
		II	08UFEN04	English IV	6			3	25	75	100
		III		Biostatics				4	25	75	100
				Allied IV: Biochemistry				4	25	75	100
				Major Practical II (Microbiology)				6	40	60	100
				Allied practical II (Biochemistry)				6	40	60	100

III - B.Sc., Bioinformatics	V	III		Molecular Biology				4	25	75	100
				Biological Data Bank and their Analysis				4	25	75	100
				Immunology				4	25	75	100
				Plant & Animal Biotechnology				4	25	75	100
				Relational data Bases Management Systems (RDBMS)				4	25	75	100
	VI	III		Systemic evolution and Environmental Biology				4	25	75	100
				Drug and Molecular Modelling				4	25	75	100
				Proteomics and Genomics				4	25	75	100
				Data Mining and Warehousing				4	25	75	100
				Object oriented programming and C++				4	25	75	100
				Major Practical III: Lab in Molecular Biology and Plant Biotechnology				6	40	60	100
				Major practical IV: Lab in Data Base analysis, Programming in PERL, C++ and molecular modeling				6	40	60	100