

**ASSAM DON BOSCO UNIVERSITY**  
**SCHOOL OF FUNDAMENTAL AND APPLIED SCIENCES**  
**Modified Course Structure / Syllabus in SPRING 2020**

**DEPARTMENT OF CHEMISTRY**

**BACHELOR OF SCIENCE- HONOURS IN CHEMISTRY**

Type of Course/Category	Course Code	Course Name	Credits
<b>Semester III</b>			
Core Paper5 (Theory)	CHSP0107	Inorganic Chemistry II: Metallurgy and s- and p-Block Elements	4-0-0
Core Paper6 (Theory)	CHOG0108	Organic Chemistry II: Halogenated Hydrocarbons and Oxygen and Sulfur Containing Functional Groups	4-0-0
Core Paper7 (Theory)	CHPC0109	Physical Chemistry III: Phase Equilibria, Electrochemical Cells and Surface Chemistry	4-0-0
Core Paper5 (Lab)	CHSP6107	Inorganic Chemistry II: Metallurgy and s- and p-Block Elements - Lab	0-0-2
Core Paper6 (Lab)	CHOG6108	Organic Chemistry II: Halogenated Hydrocarbons and Oxygen and Sulfur Containing Functional Groups - Lab	0-0-2
Core Paper7 (Lab)	CHPC6109	Physical Chemistry III: Phase Equilibria, Electrochemical Cells and Surface Chemistry - Lab	0-0-2
Skill Enhancement Course 1 (Elective)	CHBA0113	Basic Analytical Chemistry	1-0-1
	CHCI0114	Chemo informatics	
	CHCP0115	Chemistry of cosmetics and perfumes	
General Elective - III (Physics)	PSGP0115	General Thermal Physics	4-0-0
	PSDA0107	Digital Systems and Applications	
General Elective –III (Physics) Lab	PSGP6111	General Thermal Physics Lab	0-0-2
	PSDA6107	Digital Systems and Applications Lab	
<b>Total Credits</b>			<b>26</b>

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Semester IV			
Core Paper8 (Theory)	CHCC0110	Inorganic Chemistry III: Chemistry of d- and f-Block Elements	3-1-0
Core Paper9 (Theory)	CHHC0111	Organic Chemistry III: Chemistry of Amines, Amides, Nitriles and Heterocycles	3-1-0
Core Paper10 (Theory)	CHEC0112	Physical Chemistry IV: Conductance, Chemical Kinetics and Photochemistry	3-1-0
Core Paper8 (Lab)	CHCC6110	Inorganic Chemistry III: Chemistry of d- and f-Block Elements - Lab	0-0-2
Core Paper9 (Lab)	CHHC6111	Organic Chemistry III: Chemistry of Amines, Amides, Nitriles and Heterocycles - Lab	0-0-2
Core Paper10 (Lab)	CHEC6112	Physical Chemistry IV: Conductance, Chemical Kinetics and Photochemistry - Lab	0-0-2
Skill Enhancement Course 2 (Elective)	CHPY0116	Pesticide Chemistry	1-0-1
	CHFC0117	Fuel Chemistry	
	CHIP0118	Intellectual Property Rights	0-0-2
General Elective –IV (Physics)	PSGM0116	General Elements of Modern Physics	4-0-0
	PSAS0110	Analog Systems and Applications	
General Elective –IV (Physics) - Lab	PSGM6112	General Elements of Modern Physics Lab	0-0-2
	PSAS6110	Analog Systems and Applications Lab	
<b>Total Credits</b>			<b>26</b>