

Scheme of BSc (H) Mathematics 2020-23

Sem	Course 1	Course 2	Course 3	Course 4	Course 5	Course 6	Course 7	Comm. services	GP	Cont. hrs.	Credits
I	CLL 101 Effective Communication-I 2.5(2-0-1)	MAL 101N Fundamentals of Mathematics 4(3-1-0)	PYL 102N Fundamentals of Physics 4(3-0-2)	ENL101 Statistics & Research Methodology-I 4(4-0-0)	CHL100 Environmental Studies 3(3-0-0)	PSL101 Understanding the Constitution 3(3-0-0)		MAS 100 CS-I (70 hrs)	MAR 100 (1)	22	21.5
II	CLL 102 Effective Communication-II 2.5(2-0-1)	BSL102 FINE ARTS 2(1-0-2)	PCL102 Psychology for living 3(2-1-0)	CHL111 Fundamentals of Chemistry 4(3-0-2)	MAL 106N Basics of Computer Programming 4(3-0-2)	BSL101 Entrepreneurship 3(2-0-2)	CLL 120 HVPE 2(2-0-0)	MAS 102 CS-II (70 hrs) (2 Crdt)	MAR 110 (1)	25	23.5
III	MAL 102 Analysis I 4(3-1-0)	MAL 313 Integral & Vector Calculus 4(3-1-0)	PE 1 MAL105N Group Theory 4(3-1-0)	PE 2 MAL303 Linear Programming & applications 4(3-1-0)	Open Elective I 3(3-0-0)	MAL 304N Probability and Statistics 4(3-1-0)		MAS 200 CS-III	MAR 200 (1)	23	24
IV	MAL 104 Differential Equations I 4(3-1-0)	PE 3 MAL201 Analysis II 4 (3-1-0)	PE 4 MAL205N Higher Algebra 4 (3-1-0)	PE 5 MAL317 Mathematical Modeling 4(3-1-0)	Open Elective II 3(3-0-0)	Foreign Language 3(1-2-0)		MAS 202 CS-IV (140 hrs)* (2 Crdt)	MAR 210 (1)	22	25
	MAI 240 Summer Internship 3(0-0-6)										
V	MAL 208 Linear Algebra 4(3-1-0)	MAL 206 Mathematical Statistics 3(2-0-2)	PE 6 MAL203 Differential Equations II 4(3-1-0)	PE 7 MAL321 Mathematical Methods/MAL 209 Data Analysis 4 (3-0-2)	Open Elective III 3(3-0-0)	MAD 350 Project 4(0-0-8)		MAS 301 CS-V	MAR 300 (1)	20	23
VI	MAL 310 Numerical Analysis 3(2-0-2)	MAL 320 Creativity and innovation outcome (1)	PE 8 MAL311 Intro to complex Analysis 4(3-1-0)	PE 9 MAL 307 Discrete Mathematics/CSL 313 Machine Learning 4 (3-1-0/2-0-4)	Open Elective IV 3(3-0-0)	MAD 360 Project 4(0-0-8)		MAS 302 CS-VI (140 hrs) (2 Crdt)	MAR 310 (1)	15	22
			Total							127	142

*Students can utilize the entire year including the summer/break period for completing 140 community service hours.