

## B.Sc.(H) Mathematics (2022-2025)

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)	MAL109 Introduction to Statistics 4(3-1-0)	CHL100 Environmental Studies 3(3-0-0)	CHL111 Fundamentals of Chemistry 4(3-0-2)		MAS 101 CS-I	GP-I MAR 101 (1)	24	22.5
II	CLL 102 Effective Communication-II 2.5(2-0-1)	MAL315 Number Theory 4(3-1-0)		MAL209 Data Analysis 4(3-0-2)	MAL 106N Basics of Computer Programming 4(3-0-2)	BSL101 Entrepreneur ship 3(2-0-2)	CLL 120 HVPE 2(2-0-0)	MAS 102 CS-II (140hrs)* 2Credits	<b>GP-II</b> MAR 102 (1)	25	22.5
III	MAL102 Analysis I 4(3-1-0)	MAL 104 Differential Equations I 4(3-1-0)	PE 1 MAL105 N 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 201 CS-III	<b>GP-III</b> MAR 201 (1)	23	24
IV	MAL 313 Integral & Vector Calculus 4(3-1-0)	PE 3 MAL307 Discrete Mathematics 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  (140hrs)* 2Credits	<b>GP-IV</b> MAR 202 (1)	22	25
	MAI 240 Summer Internship 3(0-0-6)										3
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 4(3-1-0)	Open Elective III 3(3-0-0)	MAD 350 Project 4(0-0-8)		MAS 301 CS-V	<b>GP-V</b> MAR 301 (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 MAL201 Analysis II 4 (3-1-0)	Open Elective IV 3(3-0-0)	MAL 318 Operations Research 4(3-1-0)		MAS 302 CS-VI (140hrs)* 2Credits	<b>GP-VI</b> MAR 302 (1)	15	22
Total										127	142

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