

Batch	Sl.	Course Code	Course Title	Credit	Contact Hours	No. of Sections	Offered Credit	Remarks
260 (200)	1	ESP 009	Academic English	0	0	4	10.5	
	2	MAT 009	Remedial Math	0	0	1		
	3	MAT 101	Calculus for Computing	3	3	5		
	4	PHY 101	Physics I	3	3	5		
	5	CSE 100	Computational Thinking and Problem Solving	1.5	3	9		
	6	CSE 101	Discrete Mathematics	3	3	5		
261 (130)	1	ESP 101	Academic English I	3	3	3	13.5	
	2	CHE 101	Chemistry	3	3	3		
	3	CHE 102	Chemistry Lab	1	2	6		
	4	CSE 103	Structured Programming	3	3	4		
	5	CSE 104	Structured Programming Lab	1.5	3	7		
	6	ESD 102	Communication and Self-Development	0	0	6		
	7	GED 103	Functional Bengali	2	3	3		
252 (110)	1	MAT 103	Linear Algebra and Vector Analysis	3	3	3	12	
	2	PHY 103	Physics II	3	3	3		
	3	PHY 104	Physics Lab	1.5	3	6		
	4	CSE 205	Data Structures	3	3	4		
	5	CSE 206	Data Structures Lab	1.5	3	7		
250 (130)	1	CSE 201	Object Oriented Programming	3	3	4	13	
	2	CSE 202	Object Oriented Programming Lab	1.5	3	7		
	3	CSE 203	Digital Logic Design	3	3	4		
	4	CSE 204	Digital Logic Design Lab	1	2	7		
	5	PHY 103	Physics II	3	3	4		
	6	PHY 104	Physics Lab	1.5	2	7		
251 (90)	1	CSE 207	Algorithms	3	3	3	13.5	
	2	CSE 208	Algorithms Lab	1.5	3	6		
	3	MAT 201	Differential Equations and Coordinate Geometry	3	3	3		
	4	CSE 211	Computer Architecture	3	3	3		
	5	GED 201	Financial and Managerial Accounting	3	3	3		
	1	CSE 301	Web Programming	3	3	4		
	2	CSE 302	Web Programming Lab	1.5	3	7		

Batch	Sl.	Course Code	Course Title	Credit	Contact Hours	No. of Sections	Offered Credit	Remarks
242 (135)	3	CSE 303	Microprocessors, Microcontrollers and Embedded Systems	3	3	4	12.5	
	4	CSE 304	Microprocessors, Microcontrollers and Embedded Systems Lab	1	2	7		
	5	EEE 201	Electrical Devices, Circuits and Pulse Techniques	3	3	4		
	6	EEE 202	Electrical Devices, Circuits and Pulse Techniques Lab	1	2	7		
241 (65)	1	CSE 313	Software Engineering	3	3	2	14	
	2	GED 301	History of Emergence of Bangladesh	2	3	2		
	3	CSE 315	Artificial Intelligence	3	3	2		
	4	CSE 316	Artificial Intelligence Lab	1.5	3	4		
	5	CSE 317	Computer Networking	3	3	2		
	6	CSE 318	Computer Networking Lab	1.5	3	4		
232 (170)	1	CSE 311 / CSE 309	Data Communication / Compiler	3	3	4	12	D. Com [3] or Compiler [1]
	2	CSE 312 / CSE 310	Data Communication Lab / Compiler Lab	1	2	7		D. Com Lab [5] or Compiler Lab [2]
	3	ESP 401	Professional English	2	2	4		
	4	CSE 403	Machine Learning	3	3	4		
	5	CSE 404	Machine Learning Lab	1.5	3	7		
	6	CSE 320	Design Project II	1.5	3	5		
231 (70)	1	CSE 323	Cryptography and Cybersecurity	3	3	2	14.0	
	2	CSE 413 Or CSE 425	Natural Language Processing Or Mobile Application Development	3	3	2		NLP[1] OR MAD[1]
	3	CSE 414 Or CSE 426	Natural Language Processing Lab Or Mobile Application Development Lab	1	2	3		NLP Lab[2] OR MAD Lab[1]
	4	GED 407	Professional Ethics and Environmental Protection	2	3	2		
	5	GED 403	Industrial and Operational Management	3	3	2		
	6	CSE 400B	Final Year Project/Thesis	2				
	1	CSE 400C	Capstone Project/Thesis	2				
	2	CSE 458	Industrial Training	3				

Batch	Sl.	Course Code	Course Title	Credit	Contact Hours	No. of Sections	Offered Credit	Remarks
223 (116)	3	CSE 435 Or CSE 453	Data Mining Or Software Testing and Quality Assurance	3	3	3	9	DM(2) OR SQA(1)
	4	CSE 436 Or CSE 454	Data Mining Lab Or Software Testing and Quality Assurance Lab	1	2	5		DM(4) OR SQA(1)
	5	PSD 400	Professional Life Skills Development	0	0	3		
<p>Tanpia Tasnim Lecturer & Program Coordinator Dept. of CSE, GUB</p>				<p>Mr. Syed Ahsanul Kabir Chairperson Dept. of CSE, GUB</p>				