

Bangladesh University of Business and Technology (BUBT)
Department of Computer Science and Engineering (CSE)
Course Offer - Fall 2026
B.Sc in CSE [Day]
Trisemester

Intake 59 (1-6) Section

Semester: 1st Year 1st Semester

Sl no	Course Code	Course title	Credit
1	CSE 101	Structured Programming Language	3.00
2	CSE 102	Structured Programming Language Lab	1.50
3	ENG 101	English Language-I	3.00
4	MAT 101	Differential and Integral Calculus	3.00
5	BHC 101	History of the Emergence of Independent Bangladesh	2.00
			12.50

Intake 58 (1- 8) Sections

Semester: 1st Year 2nd Semester

Sl no	Course Code	Course title	Credit
1	CSE 103	Discrete Mathematics	3.00
2	BAN 101	Functional Bengali Language	2.00
3	MAT 111	Coordinate Geometry and Vector Calculus	3.00
4	CSE 111	Object Oriented Programming Language	3.00
5	CSE 112	Object Oriented Programming Language Lab	1.50
			12.50

Intake 57 (1-6)Sections

Semester: 1st Year 3rd Semester

Sl no	Course Code	Course title	Credit
1	CSE 100	Software Development I	0.75
2	CSE 221	Data Structure	3.00
3	CSE 222	Data Structure Lab	1.50
4	MAT 221	Linear Algebras, Differential Equations, and Furrier Analysis	3.00
5	PHY 101	Physics-I	3.00
6	PHY 102	Physics-I Lab	1.50
			12.75

Intake 56 (1- 9) Sections

Semester: 2nd Year 2nd Semester

Sl no	Course Code	Course title	Credit
1	CSE 301	Technical Writing and presentation	1.50
2	CSE 231	Algorithms	3.00
3	CSE 232	Algorithms Lab	1.50
4	CSE 205	Digital Logic Design	3.00
5	CSE 206	Digital Logic Design Lab	1.50
6	CHE 101	Chemistry	3.00
			13.50

Intake 55(1- 7) Sections

Semester: 2nd Year 3rd Semester

Sl no	Course Code	Course title	Credit
1	CSE 200	Software Development II	0.75
2	CSE 207	Database Systems	3.00
3	CSE 208	Database Systems Lab	1.50

4	CSE 209	Operating Systems	3.00	
5	CSE 210	Operating Systems Lab	1.50	
6	CSE 341	Advanced Programming	3.00	
7	CSE 342	Advanced Programming Lab	1.50	
			14.25	

Intake 54 (1-9) Sections				
Semester: 3rd Year 2nd Semester				
Sl no	Course Code	Course title	Credit	
1	MAT 231	Complex Variable and Statistics	3.00	
2	CSE 321	Artificial Intelligence and Expert System	3.00	
3	CSE 322	Artificial Intelligence and Expert System Lab	1.50	
4	CSE 323	Compiler Design	3.00	
5	CSE 324	Compiler Design Lab	0.75	
6	CSE 215	Computer Architecture	3.00	
			14.25	

Intake 53(1 -8) Sections				
Semester: 3rd Year 3rd Semester				
Sl no	Course Code	Course title	Credit	
1	ACT 301	Accounting and Management	3.00	
2	MKT 301	Digital Marketing	3.00	
3	CSE 327	Software Engineering	3.00	
4	CSE 328	Software Engineering Lab	0.75	
5	CSE 403	Machine Learning	3.00	
6	CSE 404	Machine Learning Lab	1.50	
			14.25	

Intake 52 [Major in Data Science & Minor in Communications and Networking] Section 1-6				
Semester: 4th Year 2nd Semester				
Sl no	Course Code	Course title	Credit	
1	MGT 401	Project Management and Professional Ethics	3.00	
2	CSE 449	Data Mining	3.00	
3	CSE 450	Data Mining Lab	1.50	
4	CSE 443	Pattern Recognition	3.00	
5	CSE 498B	Capstone Project	3.00	
6	CSE 400	Software Development IV	0.75	
7	CSE 490	Information Technology Engineers	0.00	
			14.25	

Intake 52 [Major in Software Engineering & Minor in Communications and Networking] Section 7				
Semester: 4th Year 2nd Semester				
Sl no	Course Code	Course title	Credit	
1	CSE 469	Software Testing and Quality Assurance	3.00	
2	MGT 401	Project Management and Professional Ethics	3.00	
3	CSE 413	Cyber Security and Digital Forensic	3.00	
4	CSE 414	Cyber Security and Digital Forensic Lab	1.50	
5	CSE 498B	Capstone Project	3.00	
6	CSE 400	Software Development IV	0.75	
7	CSE 490	Information Technology Engineers	0.00	

			14.25	
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Intake 52 [Major in Communications and Networking & Minor in Data Science] Section 8				
Semester: 4th Year 2nd Semester				
Sl no	Course Code	Course title	Credit	
1	MGT 401	Project Management and Professional Ethics	3.00	
2	CSE 483	Introduction to Blockchain	3.00	
3	CSE 483	Introduction to Blockchain Lab	1.50	
4	CSE 435	Network Security	3.00	
5	CSE 498B	Capstone Project	3.00	
6	CSE 400	Software Development IV	0.75	
7	CSE 490	Information Technology Engineers	0.00	
			14.25	

Intake 51 [Major in AI] 1-9				
Semester: 4th Year 3rd Semester				
Sl no	Course Code	Course title	Credit	
1	CSE 465	Machine Learning	3.00	
2	CSE 467	Pattern Recognition	3.00	
3	CSE 477	Neural Network and Fuzzy Systems	3.00	
4	CSE 478	Neural Network and Fuzzy Systems Lab	1.50	
			10.50	

Intake 51 [Major in Networking] 12-13				
Semester: 4th Year 3rd Semester				
Sl no	Course Code	Course title	Credit	
1	CSE 435	Network Security	3.00	
2	CSE 431	Communication Engineering	3.00	
3	CSE 445	Introduction to cryptography	3.00	
4	CSE 446	Introduction to cryptography Lab	1.50	
			10.50	

Intake 51 [Major in Software] 10-11				
Semester: 4th Year 3rd Semester				
Sl no	Course Code	Course title	Credit	
1	CSE 451	Advanced Software Project Management	3.00	
2	CSE 453	Software Testing and Quality Assurance	3.00	
3	CSE 457	Web Database Programming	3.00	
4	CSE 458	Web Database Programming Lab	1.50	
			10.50	