

## We Offer the Following Courses for B. Sc. in CSE (Diploma Engineer)

1 <sup>st</sup> Year 1 <sup>st</sup> Semester			2 <sup>nd</sup> Year 2 <sup>nd</sup> Semester		
CSE 1101	Structured Programming	3.00	CSE 3101	Mobile Application Development	3.00
CSE 1102	Structured Programming Laboratory	1.50	CSE 3102	Mobile Application Development Laboratory	0.75
PHY 1151	Physics	3.00	CSE 3103	Operating Systems	3.00
PHY 1152	Physics Laboratory	0.75	CSE 3104	Operating Systems Laboratory	1.50
HUM 1171	English and Human Communication	3.00	CSE 3111	Computer Networks	3.00
CSE 1103	Discrete Mathematics	3.00	CSE 3112	Computer Networks Laboratory	1.50
MATH 1243	Coordinate Geometry and Differential Equations	3.00	CSE 3115	Software Engineering	3.00
GEN 303	Bangladesh Studies	3.00	CSE 3116	Software Engineering Laboratory	1.50
<b>Total</b>		<b>20.25</b>	CSE 3257	Big Data Analytics	3.00
			CSE 3107	Theory of Computation	3.00
			CSE 4100	System Development Project	1.50
			<b>Total</b>		<b>24.75</b>
1 <sup>st</sup> Year 2 <sup>nd</sup> Semester			3 <sup>rd</sup> Year 1 <sup>st</sup> Semester		
CSE 1205	Object Oriented Programming	3.00	CSE 4200	Project / Thesis	3.00
CSE 1206	Object Oriented Programming Laboratory	1.50	CSE 3217	Information System Design	3.00
CSE 2101	Data Structures	3.00	CSE 3218	Information System Design Laboratory	0.75
CSE 2102	Data Structures Laboratory	1.50	CSE 3205	Applied Statistics and Queuing Theory	3.00
CSE 1115	Digital Logic Design	3.00	CSE 3209	Compiler Design	3.00
CSE 1116	Digital Logic Design Laboratory	1.50	CSE 3210	Compiler Design Laboratory	0.75
MATH 2141	Fourier Analysis and Linear Algebra	3.00	CSE 4103	Artificial Intelligence	3.00
HUM 2171	Economics and Accounting	3.00	CSE 4104	Artificial Intelligence Laboratory	0.75
<b>Total</b>		<b>19.50</b>	CSE 4115	Computer Graphics	3.00
			CSE 4116	Computer Graphics Laboratory	0.75
			<b>Total</b>		<b>21</b>
2 <sup>nd</sup> Year 1 <sup>st</sup> Semester			3 <sup>rd</sup> Year 1 <sup>st</sup> Semester		
CSE 2120	Advanced Programming	1.50	CSE 4200	Project / Thesis	3.00
CSE 2103	Algorithm Analysis and Design	3.00	CSE 4117	Digital Image Processing and Computer Vision	3.00
CSE 2104	Algorithm Analysis and Design Laboratory	0.75	CSE 4118	Digital Image Processing and Computer Vision Laboratory	0.75
CSE 2205	Database Systems	3.00	CSE 4111	Computer and Network Security	3.00
CSE 2206	Database Systems Laboratory	1.50	CSE 4112	Computer and Network Security Laboratory	0.75
CSE 2207	Numerical Methods	2.00	CSE 4281	Human Computer Interaction	3.00
CSE 2208	Numerical Methods Laboratory	0.75	CSE 4207	Machine Learning	3.00
MATH 2243	Complex Variable, Vector Analysis and Statistics	3.00	CSE 4208	Machine Learning Laboratory	0.75
<b>Total</b>		<b>15.50</b>	CSE 4243	System Automation	3.00
			CSE 4244	System Automation Laboratory	0.75
			CSE 4220	Technical Writing and Seminar	0.75
			HUM 3177	Entrepreneurship for IT Business	2.00
			<b>Total</b>		<b>23.75</b>
<b>Total Credits : 124.75</b>					