



Hajee Mohammad Danesh Science and Technology University (HSTU)
Dinajpur-5200
Faculty of Computer Science and Engineering
Department of Computer Science and Engineering
Layout of Curriculum for 1.5 years M.Sc. in Computer Science and Engineering
abbreviated as M. Sc. in CSE
(Effective from the semester Jul-Dec, 2019)

Summary of Credit per Semester

Semester	Credit
First Semester	15.00
Second Semester	15.00
Third Semester (Research Semester)	10.00
Total	40.00

SUMMARY OF COURSES

January-June Semester

Course Code	Course Title	Credit
CSE 501	Computer Arithmetic	3.00
CSE 503	Advanced Database Systems	3.00
CSE 505	Research Methodology	2.00
CSE 5** CSE 5**	Two Courses from Option I (Elective Courses)	4.00
CSE 500	A. Research (Satisfactory/Unsatisfactory)	3.00
Total		15.00

July-December Semester

Course Code	Course Title	Credit
CSE 529	Advanced Digital Image Processing	3.00
CSE 531	Software Project Management	3.00
CSE 533	Network Security	2.00
CSE 5** CSE 5**	Two Courses from Option II (Elective Courses)	4.00
CSE 500	B. Research (Satisfactory/ Unsatisfactory)	3.00
Total		15.00

Third Semester

Course Code	Course Title	Credit
CSE 500	Research Semester	
	C. Thesis Work	2.00
	D. Thesis Evaluation	5.00
	E. Thesis Defense	3.00
Total		10.00

Option I (Elective Courses)

Course Code	Course Title	Credit
CSE 507	Advanced Artificial Intelligence	2.00
CSE 509	Computational Geometry	2.00
CSE 511	Combinatorial Optimization	2.00
CSE 513	Advanced Algorithms	2.00
CSE 515	Bioinformatics Algorithms	2.00
CSE 517	Software Testing and Quality Assurance	2.00
CSE 519	Advanced Microprocessor	2.00
CSE 521	Advanced Computer Architecture	2.00
CSE 523	Advanced Syntactic Pattern Recognition	2.00
CSE 525	Data Mining	2.00
CSE 527	Data Warehousing	2.00

Option II (Elective Courses)

Course Code	Course Title	Credit
CSE 535	Embedded System	2.00
CSE 537	Advanced Operating Systems	2.00
CSE 539	Advanced Computer Networks	2.00
CSE 541	Distributed Computing Systems	2.00
CSE 543	Mobile Computing	2.00
CSE 545	Wireless Sensor Networks	2.00
CSE 547	Advanced Machine Learning	2.00
CSE 549	Advanced Multimedia Systems	2.00
CSE 551	Computer Animation and Virtual Reality	2.00
CSE 553	Advanced Computer Graphics	2.00
CSE 555	Human Computer Interaction	2.00