RAJSHAHI SCIENCE AND TECHNOLOGY UNIVERSITY (RSTU)
Computer Science & Engineering (CSE)

MISSION:

Rajshahi Science & Technology University is one of the outstanding private universities in the Southeast Asia offering an innovative liberal arts education leading to the excellent academic and professional programs in the Arts and Sciences, Engineering, Laws and Business that prepare students for a life of engagement and achievement in multiple fields of endeavor.

Consistent with this mission, Rajshahi Science & Technology University is committed to achieving the following goals:

- ⮑ Provide a learning environment where teaching and mentoring students is at the center of everything that we do.
- ⮑ Provide an innovative basic foundation for all of our students.
- ⮑ Provide selective and cutting edge programs in the Arts and Sciences, Engineering, Laws and Business.
- ⮑ Make the values of ethical leadership, civic engagement and sustainability prominent aspects of the student academic, co-curricular and spiritual experiences.
- ⮑ Build a vibrant campus community through outstanding co-curricular programming, cultural events and intellectual exploration.
- ⮑ Empower students to achieve their career goals and be successful participants in the global marketplace.
- ⮑ Continue the enhance facilities and services to complement the quality of educational programs, optimally utilizing information and technology.
- ⮑ Develop and strengthen corporate and community partnerships.
- ⮑ Consistently and passionately engage all stakeholders in the mission and life of the university.

CURRICULUM STRUCTURE:

Total requirements of credits:

Regular	150

Regular:

General Education	18
Basic Sciences	11
Inter-Disciplinary Courses	09
Mathematics	20
Program Core Courses	79.0
Option: I	03
Option: II	06
Project / Thesis	4.0

Total = 150.0

Rajshahi Science & Technology University will be the very best private university, contributing to local and regional economic and cultural development as well as offering an innovative educational leading to excellent academic and professional programs that prepare students for lives of achievement, global awareness and civic engagement and to succeed, lead and serve

About RSTU:

Rajshahi Science & Technology University (RSTU) has been established in 2013 with a strong desire for the advancement of the country's higher education through technology education. RSTU was built on the spirit of "INCREASE ME IN KNOWLEDGE". Its purpose is to educate the students to understand what knowledge is and how they can act upon it through hard work, honesty, politeness and community service. It is not only about trying to improve only one's education, but by contributing to the local community as well as to the country as a whole, a person will be able to grow knowledge for the mankind. RSTU is committed to QUALITY EDUCATION AT AFFORDABLE COST and focused on your future by providing a career oriented higher education that emphasizes:

SPECIAL FEATURES:

- ⮑ IT-based teaching
- ⮑ Provision of simultaneous registration / credit transfer to other universities
- ⮑ Recognition of previous education and experience
- ⮑ Sandwich program for study abroad

FEES:

Description	(In Taka)
Application form	500.00
Admission Fees	10,000.00
Tuition fees per credit	1,500.00
Total tuition fees (150.0)	2,25,000.00
Grand total	**2,35,500.00**

Note: There is NO other hidden cost such as development fee, semester fee etc.

RAJSHAHI SCIENCE AND TECHNOLOGY UNIVERSITY (RSTU)

Code	Course Title	Cr.
A: General Education (18.0)		
HUM 181	English I	3.0
HUM 187	English II	3.0
HUM 183	Bangladesh Studies	3.0
Any 3 (Three)		
HUM 185	International Relations	3.0
HUM 281	Principles of Economics	3.0
HUM 283	Introduction to Business	3.0
HUM 381	Introduction to Sociology	3.0
HUM 383	Financial & Managerial Accounting	3.0
HUM 385	Industrial and Operation Management	3.0
HUM 481	Modern Civilization	3.0
HUM 483	Professional Ethics	3.0
HUM 485	Cyber & Intellectual Property Law	3.0
B: Basic Science (11.0)		
PHY 171	Engineering Physics I	3.0
PHY 173	Engineering Physics II (Prerequisite PHY 171)	3.0
PHY 174	Engineering Physics Lab	1.0
CHE 175	Engineering Chemistry	3.0
CHE 176	Engineering Chemistry Lab	1.0
D: Inter-Disciplinary Courses (9.0)		
EEE 151	Fundamental of Electrical Engineering	3.0
EEE 152	Fundamental of Electrical Engineering Lab	1.0
ECE 251	Electronic Devices and Circuits	3.0
ECE 252	Electronic Devices and Circuits Lab	1.0
ME 102	Engineering Drawing	1.0
E: Mathematics (20.0)		
MAT 161	Fundamental Mathematics	3.0
MAT 163	Differential and Integral Calculus	3.0
MAT 165	Ordinary and Partial Differential Equations	3.0
MAT 261	Coordinate Geometry and Vector Analysis	3.0
MAT 265	Linear Algebra, Complex Variables, Fourier Analysis and Laplace Transform	3.0
MAT 267	Numerical Methods and Analysis	2.0
MAT 263	Probability and Statistics	3.0
F: Engineering Basic (79.0)		
CSE 101	Introduction to Computer Systems	3.0
CSE 103	Structured Programming Language	3.0
CSE 104	Structured Programming Language Lab	1.0
CSE 105	Discrete Mathematics	3.0
CSE 201	Digital Logic Design	3.0
CSE 202	Digital Logic Design Lab	1.0
CSE 203	Object Oriented Programming Language	3.0
CSE 204	Object Oriented Programming Language Lab	1.0
CSE 205	Web Technology	3.0
CSE 207	Data Structures	3.0
CSE 208	Data Structures Lab	1.0
CSE 211	System Analysis & Design	3.0

Code	Course Title	Cr.
CSE 212	System Analysis & Design Lab	1.0
CSE 213	Algorithms	3.0
CSE 214	Algorithms Lab	1.0
CSE 253	Data Communication I	3.0
CSE 301	Database Management System	3.0
CSE 302	Database Management System Lab	1.0
CSE 303	Computer Architecture	3.0
CSE 305	Theory of Computation	2.0
CSE 307	Computer Graphics & Multimedia	3.0
CSE 308	Computer Graphics & Multimedia Lab	1.0
CSE 312	Computer Simulation & Modelling	3.0
CSE 313	Microprocessors and Microcontrollers	3.0
CSE 314	Microprocessors and Microcontrollers Lab	1.0
CSE 401	Artificial Intelligence	3.0
CSE 402	Artificial Intelligence Lab	1.0
CSE 403	Compiler	3.0
CSE 404	Compiler Lab	1.0
CSE 405	Operating System	3.0
CSE 406	Operating System Lab	1.0
CSE 451	Software Engineering	3.0
CSE 452	Software Engineering Lab	1.0
CSE 454	Digital Image Processing	3.0
CSE 457	Computer Networks	3.0
CSE 458	Computer Networks Lab	1.0
G: Option One (Any one Course – 3.0)		
CSE 327	Management Information System	3.0
CSE 409	Parallel Processing and Distributed System	3.0
CSE 411	Fault Tolerant Systems	3.0
CSE 413	Basic Graph Theory	3.0
CSE 417	Distributed Database Management System	3.0
CSE 419	Digital System Design	3.0
CSE 463	Computer, Data and Network Security	3.0
H: Option II (Any One Group – 6.0)		
Group I: Network and Communication		
CSE 425	Data Communication II	3.0
ECE 429	Wireless Networks	3.0
Group II: Theoretical Computer Science		
CSE 427	Algorithm Engineering	3.0
CSE 433	Computational Geometry	3.0
Group III: Artificial Intelligence		
CSE 435	Machine Learning	3.0
CSE 437	Pattern Recognition	3.0
Group IV: Hardware		
EEE 423	VLSI Design	3.0
CSE 441	Computer Interfacing	3.0
I: Project/Thesis (4.0)		
CE 490	Project / Thesis	4.0
Total		**150**