Why study Information Technology at UITS?

Specific Job Fields

A Bachelor of Information Technology graduate from UITS would have the following fields of employment:

As Information Technology Specialists:
Information Technology Specialists in Companies.

As Programmers:
Developing web portals and E-commerce applications and data analysis as well as scientific computing.

As Researchers:
Conducting cutting edge research in 5G and 6G, Blockchain, genomics etc.

As Faculties:
Public and Private High Schools, Colleges and Universities.

As Trainers:
For Application Support and training on Computer Applications.

As Game Developers:
In the most challenging and rewarding Game industry with different positions like Artificial Intelligence (AI) Developer, Graphic Designer etc.

Opportunities

- Provision of simultaneous registration / credit transfer to other universities
- Recognition of previous education and experience
- Collaboration with international universities
- Research facilities for students with up to date technology trends

Facilities

- **Excellent Lab Facilities:** Computer Laboratories, Telecommunication Laboratory, Digital Electronic Laboratory, Physics Laboratory, Chemistry Laboratory
- Free Wi-Fi Access
- Fast-growing Library

Scholarship & Waiver Policy

100%	A+ in all subject in SSC & HSC (Conditions apply) For the rest 50%
40%	For GPA 10 in SSC & HSC For GPA 9.0 in SSC & Diploma
30%	For GPA 9.5 in SSC & HSC For GPA 8.5 in SSC & Diploma
20%	For GPA 9.0 in SSC & HSC For GPA 8.0 in SSC & Diploma
15%	For GPA 8.5 in SSC & HSC For GPA 7.5 in SSC & Diploma
10%	For GPA 8.0 in SSC & HSC For GPA 7.0 in SSC & Diploma

75% For physically challenged students

20% For Siblings

20% For Spouses

Up to 100% Scholarships

- ✓ **Sufi Mizanur Rahman Foundation Scholarship Fund**
  (For meritorious students suffering from financial hardship)
- ✓ **Hon'ble Chairman/BoT/Vice Chancellor's Scholarship**
- ✓ **Ratnagarbha Tahmina Rahman Scholarship Fund**
  (Based on semester results)
- ＊ Terms and conditions apply

B.Sc. IN **INFORMATION TECHNOLOGY**

INFORMATION TECHNOLOGY PROGRAM AT UITS

Department of Information Technology was established in UITS in 2003, with the objectives of imparting quality education in the field of Computer Science and Information Technology. With rapidly evolving technology and the continuous need for innovation, the Department has always produced quality professionals, holding important positions in Information Technology industry in Bangladesh and abroad.

VISION AND MISSION

The vision of the Program is to scaffold the next generation of engineers and scientists in a student-centered learning environment to reach digital fluency in Information Technology. The challenge is to make the students competent, skilled leaders in the wake of the ever-changing and challenging global working environment of the 21st century.

The mission of the Program is to achieve national prominence by providing outstanding education and research training to our undergraduate students for their productive careers in industrial, academic and government sectors.

UNIVERSITY OF INFORMATION TECHNOLOGY & SCIENCES

Permanent Campus: Holding 190, Road 5, Block J, Baridhara, Maddha Nayanagar, Vatara, Dhaka-1212

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UITS
UNIVERSITY OF INFORMATION TECHNOLOGY AND SCIENCES

Future will be better than thy past

An initiative of **PHP** *Family*

Curriculum Structure

Curriculum Structure	Credits
General Education	18.0
Basic Sciences	6.0
Inter-Disciplinary Courses	9.0
Mathematics	12.0
Program Core Courses	92.0
Option I	3.0
Option II	12.0
Project/ Thesis	4.0
Total : 156.0	

Admission Eligibility

- According to the UGC rules applicants must have at least 2nd Division or GPA 2.5 in both SSC and HSC (or equivalent). If there is any GPA 2.00 in SSC/HSC (or equivalent) then the total GPA must have to be GPA 6.00.
- For O level & A level, at least for 5 subjects in O level and 2 subjects in A level, the applicants must have GPA 4.00 or B Grade in 4 subjects & GPA 3.5/C Grade on the other 3 subjects.
- For Freedom Fighters' children, the total GPA may be considered as 5.00 for each applicant.

Expenditure

Admission Fees (One time)
Application Form	500 BDT
Admission Fee	10,000 BDT
Student Welfare (One time)	200 BDT

Tuition Fees
Tuition Fee (per credit)	3,000 BDT
Total Tuition Fees (156 Credits)	4,68,000 BDT
Total Program Cost	**5,18,700 BDT**

Other Fees (Per Semester): 5,000 BDT
Including Library Fee, Laboratory Fee, Transport Fee and Co-curriculum Fee.

Courses of B.Sc in Information Technology

General Education (18.0)

Code	Course Title	Cr.
GED 101	The Four Skills of Communication in English I	3.0
GED 103	The Four Skills of Communication in English II	3.0
Any four (Any three for Diploma or equivalent passed students)		
GED 105	Bangladesh Studies	3.0
GED 107	Introduction to Sociology	3.0
GED 109	Ethics: Theory and Practice	3.0
GED 111	Computer Fundamentals	3.0
GED 113	Financial & Managerial Accounting	3.0
GED 115	Industrial and Operation Management	3.0
GED 117	Bangla	3.0
GED 119	History of the Emergence of Independent Bangladesh	3.0

Basic Science (06.0)

Code	Course Title	Cr.
PHY 173	Electricity, Magnetism & Modern Physics	3.0
CHE 175	Engineering Chemistry	3.0

Inter-Disciplinary Courses (9.0)

Code	Course Title	Cr.
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	Mechanical Engineering Drawing	1.0

Mathematics (12.0)

Code	Course Title	Cr.
MAT 161	Fundamental Mathematics	3.0
MAT 163	Differential and Integral Calculus	3.0
MAT 165	Ordinary and Partial Differential Equations	3.0
MAT 263	Probability and Statistics	3.0

Program Core (96.0)

Code	Course Title	Cr.
IT 101	Introduction to Information Technology	2.0
IT 102	Introduction to Information Technology Lab	1.0
IT 103	Structured Programming Language	3.0
IT 104	Structured Programming Language Lab	1.5
IT 105	Discrete Mathematics	3.0
IT 201	Digital Logic Design	3.0
IT 202	Digital Logic Design Lab	1.0
IT 203	Object Oriented Programming Language	3.0
IT 204	Object Oriented Programming Language Lab	1.5
IT 205	Web Technology	1.5
IT 206	Web Technology Lab	1.5
IT 207	Data Structures	3.0
IT 208	Data Structures Lab	1.5
IT 213	Algorithms	3.0
IT 214	Algorithms Lab	1.5
IT 216	Object Oriented Programming language II Lab	1.5
IT 253	Data Communication	3.0
IT 255	Numerical Methods and Analysis	2.0
IT 301	Database Management System	3.0
IT 302	Database Management System Lab	1.5
IT 303	Computer Architecture	3.0
IT 305	Theory of Computation	2.0
IT 307	Computer Graphics & Multimedia	3.0
IT 308	Computer Graphics & Multimedia Lab	1.5
IT 312	Assembly Language Programming	1.0
IT 318	Database Management System II Lab	1.5
IT 324	Design Pattern Lab	1.5
IT 325	Client Server Programming	1.5
IT 326	Client Server Programming Lab	1.5
IT 327	Information System Design	2.0
IT 328	Information System Design Lab	1.0
IT 331	Distributed Systems & Cloud Computing	2.0
IT 332	Distributed Systems & Cloud Computing Lab	1.0
IT 401	Artificial Intelligence	3.0
IT 402	Artificial Intelligence Lab	1.0
IT 405	Operating System	3.0
IT 406	Operating System Lab	1.0
IT 422	Internet Programming Lab	1.0
IT431	Management Information System	3.0
IT451	Software Engineering	3.0
IT452	Software Engineering Lab	1.5
IT454	Software Development & Project Management	1.5
IT457	Computer Networks	3.0
IT458	Computer Networks Lab	1.0
IT462	Software Testing & Quality Assurance Lab	1.5
IT463	Computer, Data and Network Security	2.0
IT464	Computer, Data and Network Security Lab	1.0
IT466	Scientific Research Methodology	1.0
IT490	Project	4.0

* Option I (3.0) Any One

Code	Course Title	Cr.
IT313	Microprocessors and Microcontrollers	3.0
IT415	Digital Image Processing	3.0
IT427	Data Mining & Warehouse	3.0
IT441	Bioinformatics and Computational Biology	3.0
IT443	E-Commerce	3.0
IT409	Simulation and Modeling	3.0

Option II (12.0) Any Three Courses With Lab

Code	Course Title	Cr.
IT425	Pattern Recognition	3.0
IT426	Pattern Recognition Lab	1.0
IT433	Mobile Application Development	3.0
IT434	Mobile Application Development Lab	1.0
IT435	Machine Learning	3.0
IT436	Machine Learning Lab	1.0
IT445	Geographical Information System (GIS) and its Applications	3.0
IT446	Geographical Information System (GIS) and its Applications Lab	1.0
IT447	Network Management System	3.0
IT448	Network Management System Lab	1.0
IT455	Wireless Networks	3.0
IT456	Wireless Networks Lab	1.0
IT467	Robotics	3.0
IT468	Robotics Lab	1.0