



Govt. & UGC Approved
UITS
 An initiative of PHP Family
 University of Information Technology & Sciences
Future will be better than thy past



The Department of Civil Engineering, UITS offers four years Bachelor of Science in Civil Engineering program and is currently running semester (six-month term) system according to the guidelines of the University Grants Commission (UGC). The total credits required for the Bachelor of Science (B.Sc.) in Civil Engineering at UITS is **147.0 credits** for students having HSC in science or a recognized equivalent certificate.

The vision of the Department of Civil Engineering is to achieve excellence in quality higher education, research, innovation and societal services with the intention that our graduates will act as agents to make an impact in the society as professionals, academics and innovators for sustainable development.

B.Sc. in Civil Engineering

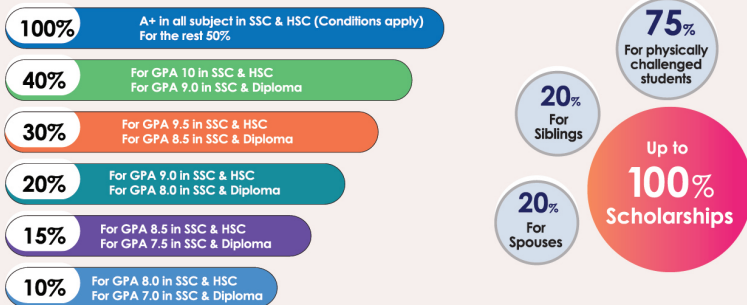
Total 147 Credits | 6 Months Semester

Curriculum Structure	Credits
General Education Courses	9.0
Interdisciplinary Courses	4.0
Basic Sciences	11
Mathematics	12
Core Course	92.5
Elective Courses	11
Thesis	4.5
Capstone Project	3.0
Total	147

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 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
- Diploma holders must have at least GPA 2.5 in SSC and at least CGPA 2.5 in diploma.

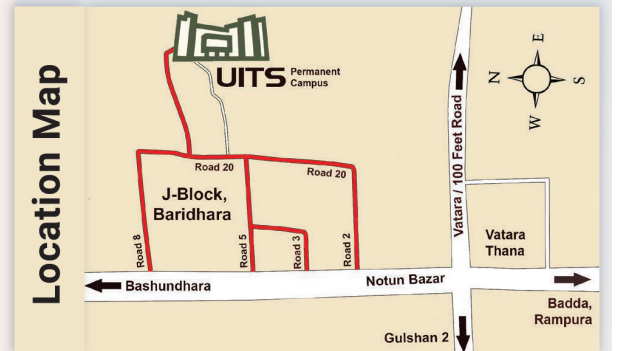
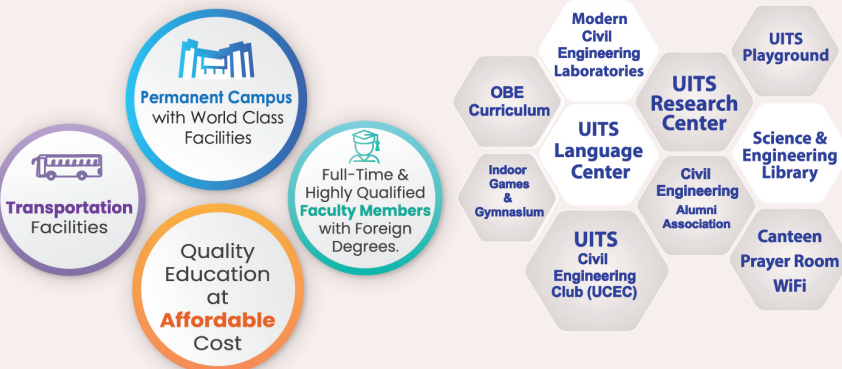
Scholarship & Waiver Policy



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

Total Cost

Admission Fees (One Time)	Tk.
Application Form	500
Admission Fees	12,000
Student Welfare	200
Other Fees (Per Semester)	5,500
Including Library Fees, Laboratory Fees, Transportation Fees, and Co-curriculum Fees	
Students having HSC(science)/Equivalent Certificate	
Tuition Fees (Per Credit)	3,000
Total Tuition Fees (147.0 Credits)	4,41,000
Total Program Cost	4,97,700



UNIVERSITY OF INFORMATION TECHNOLOGY & SCIENCES

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ONLINE ADMISSION



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B.Sc. in Civil Engineering

List of Courses

Semester-wise Course Distribution

Semester 1		17 Cr.
Code	Course Title	Credit
CE 0732101	Engineering Mechanics	3.0
CHEM 0531175	Engineering Chemistry	3.0
MATH 0541153	Differential and Integral Calculus, Matrices	3.0
PHY 0533175	Physical Optics, Waves and Oscillation, Heat and Thermodynamics	3.0
GED XXXXXXX	General Education Group-1	2.0
CE 0732102	Civil Engineering Drawing	1.0
CHEM 0531176	Engineering Chemistry Lab	1.0
PHY 0533176	Engineering Physics Lab	1.0
Semester 2		18 Cr.
CE 0732103	Surveying	3.0
EEE 0713241	Fundamentals of Electrical Engineering	3.0
GED 0232101	The Four Skills of Communication in English I	2.0
GED 0232102	Developing English Language Skills Lab	1.0
MATH 0541155	Differential Equations and Statistics	3.0
PHY 0533177	Structure of Matter, Electricity and Magnetism and Modern Physics	3.0
CE 0732104	Computer Aided Drafting	1.0
CE0732106	Practical Surveying	1.0
CE 0732108	Workshop Sessional	1.0
Semester 3		19 Cr.
CE 0732201	Engineering Materials	3.0
CE 0732203	Engineering Geology and Geomorphology	3.0
CE 0732251	Mechanics of Solids I	3.0
GED 0411153	Accounting	2.0
MATH 0541257	Coordinate Geometry and Vector Analysis	3.0
CE 0732202	Details of Construction Lab	1.0
CE 0732204	Engineering Materials Lab	1.0
CSE 0611252	Computer Programming Lab	1.0
GED XXXXXXX	General Education Group-2	2.0
Semester 4		18 Cr.
CE 0732209	Numerical Methods and Analysis	2.0
CE 0732253	Mechanics of Solids II	3.0
MATH 0541259	Fourier Analysis and Laplace Transformation	3.0
CE 0732241	Fluid Mechanics	3.0
CE 0732311	Water Supply Engineering	3.0
CE 0732304	Engineering Computation Lab	1.0
CE 0732206	Quantity Surveying	1.0
CE 0732208	Structural Mechanics Lab	1.0
CE 0732242	Fluid Mechanics Sessional	1.0
Semester 5		17 Cr.
CE 0732493	Professional Practices, Communication and Ethics	3.0
CE 0732351	Structural Analysis and Design I	3.0
CE 0732355	Design of Concrete Structures I	3.0
CE 0732313	Waste water and Sanitation Engineering	3.0
CE 0732321	Principles of Soil Mechanics	3.0
CE 0732314	Environmental Engineering Lab-I	1.0
CE 0732324	Geotechnical Engineering Lab-I	1.0
Semester 6		18.5 Cr.
CE 0732357	Design of Concrete Structures II	3.0
CE 0732323	Foundation Engineering	3.0
CE 0732353	Structural Analysis and Design II	3.0
CE 0732331	Transportation Planning and Traffic Engineering	3.0
CE 0732341	Open Channel Flow	3.0
CE 0732356	Concrete Structures Design Lab I	1.5
CE 0732302	Remote Sensing and GIS Lab	1.0
CE 0732342	Open Channel Flow Lab	1.0
Semester 7		20 Cr.
CE 0732491	Project Planning and Construction Management	3.0
CE 0732359	Design of Steel Structures	3.0
CE 0732451	Structural Analysis and Design III	3.0
CE 0732333	Pavement Design and Railway Engineering	3.0
CE 0732345	Hydrology, Irrigation Engineering and Flood Management	3.0
CE 0732334	Transportation Engineering Lab-I	1.0
CE 0732360	Steel Structures Design Lab	1.5
CE 0732490	Thesis	1.5
CE 0732492	Capstone Project	1.0

Semester-wise Course Distribution

Semester 8		19.5 Cr.
CE 0732490	Thesis	3.0
CE 0732492	Capstone project	2.0
CE 0732452	Concrete Structures Design Lab II	1.5
CE 0732497	Sustainability of Development Project	2.0
CE XXXXXXX	Elective Course Group-1(Major)	2.0
CE XXXXXXX	Elective Course Group-1(Major)	2.0
CE XXXXXXX	Elective Course Group-1(Lab.)(Major)	1.5
CE XXXXXXX	Elective Course Group-2(Minor)	2.0
CE XXXXXXX	Elective Course Group-2(Minor)	2.0
CE XXXXXXX	Elective Course Group-2(Lab.)(Minor)	1.5
Total		147.0

General Education Group-1 (any one)

GED 0222119	History of the Emergence of Independent Bangladesh	2.0
GED 0232117	Functional Bangla	2.0
GED 0222105	Bangladesh Studies	2.0

General Education Group-2 (any one)

GED 0314155	Sociology	2.0
GED 0311157	Economics	2.0
GED 0312159	Government	2.0

Elective Courses (Theory 8.0 Cr. + Lab 3.0 Cr.)

Students shall take Capstone Project and Thesis. For Elective Courses at least two optional theory courses & a corresponding lab course from that group and two more optional theory courses & another corresponding lab course from any other group.

Structural Engineering

CE 0732453	Introduction to Finite Element Method	2.0
CE 0732455	Prestressed Concrete	2.0
CE 0732457	Design of Concrete Structures III	2.0
CE 0732459	Dynamics of Structures	2.0
CE 0732461	Introduction to Steel-Concrete Composite Structures	2.0
CE 0732454	Computer Aided Analysis and Design Sessional	3.0

Environmental Engineering

CE 0732411	Solid and Hazardous Waste Management	2.0
CE 0732413	Pollution Management	2.0
CE 0732415	Environmental and Sustainable Management	2.0
CE 0732414	Environmental Engineering Lab II	1.5

Geotechnical Engineering

CE 0732421	Earth Retaining Structures	2.0
CE 0732423	Elementary Soil Dynamics	2.0
CE 0732425	Soil-Water Interaction	2.0
CE 0732424	Geotechnical-Earthquake Engineering	2.0
CE 0732427	Geotechnical Engineering Lab II	1.5

Transportation Engineering

CE 0732431	Traffic Planning and Management	2.0
CE 0732433	Pavement Management, Drainage and Airports	2.0
CE 0732435	Urban Transportation Planning and Management	2.0
CE 0732434	Transportation Engineering Lab II	1.5

Water Resources Engineering

CE 0732443	Ground Water Engineering	2.0
CE 0732445	River Engineering	2.0
CE 0732447	Hydraulic Structures	2.0
CE 0732449	Coastal Engineering	2.0
CE 0732448	Water Resources Engineering Lab	1.5

Minimum Credit Requirement for
B.Sc. in Civil Engineering: 147.0



Industrial Visit



Fresher's Reception Program