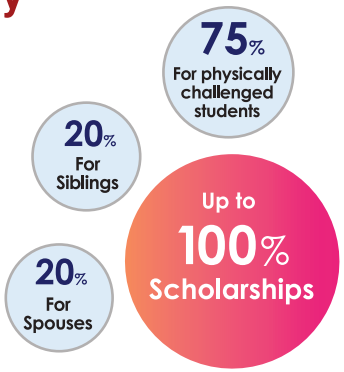
Scholarship & Waiver Policy

- 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



- **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

Facilities

- Highly qualified faculty members from home and abroad.
- Multimedia based modern classroom for audiovisual education
- **Excellent lab facilities:** *Electrical circuit lab, Electronic circuit lab, Control system lab, Wireless communication lab, Power system lab, Power system protection lab, Electrical machine lab, Simulation lab.*
- Digital library and language center.
- Online smart campus.

Scopes and Opportunities

- Visit to various power station around the country
- ElectroFest and project competition
- Annual picnic
- Periodic conference & seminars
- Technical training program and workshops
- Research, testing, consultancy etc.
- Student clubs
- Alumni association

Further Program Initiatives under EEE Department

- Master in Electrical and Electronic Engineering

Bachelor of Science in

ELECTRICAL AND ELECTRONIC ENGINEERING

EEE

Electrical and Electronic Engineering Program at UITS

Electrical Engineering is one of the fastest growing fields that involves study and application of electricity and electronics. It is the most interesting branch of engineering because it involves study of computer electrical, electronics and communication. Electrical engineering deals with generation, transmission and distribution of electricity. Subareas within the discipline range from the exploration of information and its communication, through the physics of new materials and devices and the circuits made from them, to the algorithms that run on next generation computing platforms.

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.

Curriculum Structure

Curriculum Structure	Credits
General Education	9.0
Basic Science	12.0
Interdisciplinary Courses	5.0
Mathematics	17.0
Core Courses	79.0
Technical Elective Courses	17.0
Capstone Project	6.0
Total:	**145.0**

UNIVERSITY OF INFORMATION TECHNOLOGY & SCIENCES
Permanent Campus: Holding 190, Road 5, Block J, Baridhara, Maddha Nayanagar, Vatara, Dhaka-1212
09678-008487 01713-487709, 01939-915209, 01914-240649, 01844-043870
www.uits.edu.bd admission@uits.edu.bd www.facebook.com/theuits

ONLINE ADMISSION Scan QR Code

UITS
Future will be better than thy past

An initiative of PHP Family

ELECTRICAL AND ELECTRONIC ENGINEERING

Total Cost

Admission Fees (One time)

Application Form	500
Admission Fees	10,000
Student Welfare	200

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

Tuition Fees

Tuition Fees (per credit)	3,500
Total Tuition Fees (145 Credits)	5,07,500
Total Program Cost	**5,58,200**

Courses of Electrical & Electronic Engineering | 145 Credits

Semester 1		
EEE 101	Electrical Circuits I	3.0
GED 101	The Four Skills of Communication in English	2.0
GED 102	Developing English Language Skills Lab	1.0
CSE 151	Computer Fundamentals and Web Technology	2.0
MAT 163	Differential and Integral Calculus	3.0
PHY 171	Waves, Optics and Thermodynamics	3.0
PHY 172	Waves, Optics and Thermodynamics Lab	1.0
		15.0

Semester 2		
EEE 103	Electrical Circuits II	3.0
EEE 104	Electrical Circuits Lab	1.0
EEE 108	Circuit Simulation Lab	1.0
CE 102	Engineering Drawing	1.0
MAT 165	Ordinary and Partial Differential Equations	3.0
PHY 173	Electricity, Magnetism and Modern Physics	3.0
PHY 174	Electricity, Magnetism and Modern Physics Lab	1.0
STAT 263	Probability and Statistics	3.0
GED 119	History of the Emergence of Independent Bangladesh	2.0
		18.0

Semester 3		
EEE 201	Electronic Circuits I	3.0
EEE 205	Electrical Machines I	3.0
EEE 213	Digital Electronics	3.0
EEE 214	Digital Electronics Lab	1.0
CHE 175	Engineering Chemistry	3.0
CHE 176	Engineering Chemistry Lab	1.0
MAT 261	Coordinate Geometry and Vector Analysis	3.0
GED***	General Education (GED 107/GED 109/GED 113)	2.0
		19.0

Semester 4		
EEE 203	Electronic Circuits II	3.0
EEE 204	Electronic Circuits Lab	1.0
EEE 207	Electronic Measurement & Instrumentation	2.0
EEE 208	Electronic Measurement & Instrumentation Lab	1.0
EEE 209	Electrical Machines II	3.0
EEE 212	Electrical Machines Lab	1.0
EEE 215	Computer Networking and Data Communication	3.0
EEE 217	Electrical Services Design and Drafting	1.0
EEE 219	Fundamental of Mechanical Engineering	2.0
MAT265	Linear Algebra, Complex Variables, FA and LT	3.0
		20.0

Semester 5		
EEE 301	Electromagnetic Fields and Waves	3.0
EEE 305	Signals & Systems	3.0
EEE 307	Solid State Devices	3.0
EEE 311	Communication Theory	3.0
EEE 312	Communication Theory Lab	1.0
MAT267	Numerical Methods and Analysis	2.0
CSE 251	Computer Programming	3.0
CSE 252	Computer Programming Lab	1.0
		19.0

Semester 6		
EEE 303	Power System I	3.0
EEE 309	Electrical Engineering Materials	3.0
EEE 313	Microprocessor and Microcontroller	3.0
EEE 314	Microprocessor and Microcontroller Lab	1.0
EEE 315	Digital Signal Processing	3.0
EEE 316	Digital Signal Processing Lab	1.0
EEE 317	Industrial and Power Electronics	3.0
EEE 318	Industrial and Power Electronics Lab	1.0
EEE 319	Project Management & Finance	3.0
		21.0

Semester 7		
EEE 403	Engineer and Society	3.0
EEE 405	Control Systems	3.0
EEE 406	Control Systems Lab	1.0
EEE 409	Electrical Power Transmission & Distribution	3.0
EEE 400	Capstone Project-I	2.0
	Group I / II / III / IV	7.0
		19.0

Semester 8		
Group I / II / III / IV		10.0
EEE 400	Capstone Project-II	4.0
		14.0

Elective Courses

Group I: Power		
EEE 451	Renewable Energy	3.0
EEE 453	Power System II	3.0
EEE 454	Power System Lab	1.0
EEE 455	Power System Protection	3.0
EEE 456	Power System Protection Lab	1.0
EEE 457	High Voltage Engineering	3.0
EEE 458	High Voltage Engineering Lab	1.0
EEE 459	Power Plant Engineering	3.0

Group II: Electronics		
EEE 471	Digital Integrated Circuits Design	3.0
EEE 472	Digital Integrated Circuits Design Lab	1.0
EEE 473	VLSI	3.0
EEE 474	VLSI Lab	1.0
EEE 475	Processing and Fabrication Technology	3.0
EEE 477	Optoelectronics	3.0
EEE 479	Biomedical Instrumentation	3.0

Group III: Communication		
EEE 431	Optical Fiber Communication	3.0
EEE 432	Optical Fiber communication Lab	1.0
EEE 433	Telecommunication Engineering	3.0
EEE 434	Telecommunication Engineering Lab	1.0
EEE 435	Microwave Engineering	3.0
EEE 437	Digital Communication	3.0
EEE 438	Digital Communication Lab	1.0
EEE 439	Information Theory and Coding	3.0
EEE 441	Wireless Communication	3.0
EEE 443	Satellite Communication	3.0

Group IV: Computer Science		
CSE 451	Software Engineering	3.0
CSE 452	Software Engineering Lab	1.0
CSE 453	Microprocessor System Design	3.0
CSE 454	Microprocessor System Design Lab	1.0
CSE 455	Real Time Computer System	3.0
CSE 457	Computer Networks	3.0
CSE 458	Computer Networks Lab	1.0
CSE 459	Multimedia Communications	3.0

3rd Convocation 2018

2nd Convocation 2014

1st Convocation 2009

Electrical Machine & Power Lab

Electronics Lab

Communication Lab Class

UITS Permanent Campus