



ETE



B.Sc. in Electronics and Telecommunication Engineering



Daffodil International University

Permanent Campus:

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Cell : 01833102806, 01847140068.

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IEB Accredited

Daffodil
International
University

Effective from
Fall 2017

Apply Online
<http://www.admission.daffodilvarsity.edu.bd>
www.daffodilvarsity.edu.bd

Mission:

The mission of the ETE Department is to provide quality education for those students who are able to compete nationally and internationally, able to produce creative and effective solutions to the national needs, conscious to the universal moral values, adherent to the professional ethical codes and to generate and disseminate knowledge and technological essentials to the local and global needs in the fields of Electronics and Telecommunication Engineering.

Vision:

The vision of the ETE Department is to become a nationally and internationally leading institution of higher learning, building upon the culture and the values of universal science and a center of education and research that generates knowledge and technologies which form the groundwork in shaping the future of the Electronics and Telecommunication Engineering fields.

Objectives:

The objectives of the Programs of the ETE department are to graduate individuals:

- ◆ Having strong background in basic science and mathematics to use it in their own engineering fields,
- ◆ Able to pinpoint and define engineering problems in the fields of Electronics and Telecommunication Engineering and to employ necessary tools and techniques for its solution,
- ◆ Able to admit themselves in graduates programs at home and abroad,
- ◆ Able to contribute to the developments in their own field recognizing the significance of lifelong learning.
- ◆ Able to communicate effectively,
- ◆ Having strong ethical values and adhering to the quality and honesty.
- ◆ able to take individual responsibilities and to work as a part of a team.

Eligibility for Admission

Students having minimum 2.5 GPA both in SSC/Dakhil/Vocational and HSC/Alim/Vocational from Science group with minimum 'C' grade in Physics, Mathematics may apply for admission. Students completing five O-level subjects and at least two A-level subjects may apply. Out of these 7 subjects applicants must have minimum 4 'B' grade 3 'C' grade. The applicants must have Physics and Mathematics both at O-level and A-level.

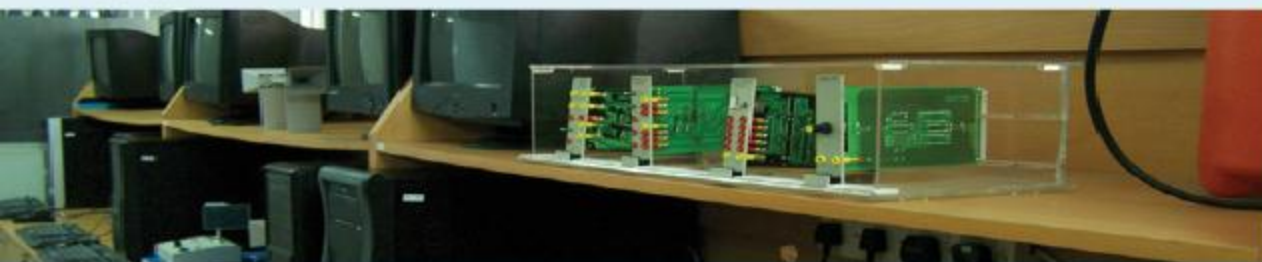
Job Prospect :

The Electronics and Telecommunication Engineer graduated from Daffodil International University is a competitive professional and able to work in the different organizations such as: BTRC, BTCL, Telecom operators, Vendors, ISP, IT, Research and Development, Govt. and Private Banks, Electronics and Broadcast Media etc.

Moreover graduates from this department are already employed in different at organizations home and abroad.

Program Outline

The University runs three terms per year. A suggested outline for the execution of the Electronics and Telecommunication Engineering (ETE) Program is given below:



1st SEMESTER: Level-1 Term-1

Course Code	Course Title	Credit Hours
ENG 113	English Language I	3
MAT 111	Mathematics I: Differential and Integral Calculus	3
PHY 113	Physics I: Mechanics, Heat and Thermodynamics, Waves and Oscillations and Optics	3
CHE 111	Chemistry	3
CHE 112	Chemistry Laboratory	1
Total		13

Fee Structure of B.Sc in ETE Program

Items of the Fees:	Amount
Admission Fee	15,000
Library Fee	3,000
Rover Scout & BNCC Fee	1,000
Student Smart Card (In Balance 200 TK)	1,000
Student Life Insurance	1,600
Tuition Fee for Theoretical (General Course (40 cr hr @ Tk. 2,500)	1,00,000
Tuition Fee for Theoretical (Core Course (80 cr hr @ Tk. 3,000)	2,40,000
Tuition Fee for Laboratory Credit (20 cr hr @ Tk. 4,000)	80,000
Lab Fee (12 Semesters @ Tk. 2,000)	24,000
Semester Fee (12 Semesters @ Tk. 5,500)	66,000
Development Fee (12 Semesters @Tk. 4,500)	54,000
Extracurricular Activities Fee (12 Semesters @Tk. 1,500)	18,000
Project Fee (4 Cr. Hr.)	10,000
Combine Viva (1 Cr. Hr.)	3,500
Total payable (for 143 credits)	6,17,100

While taking admission, a student has to pay a total of Tk. 35,100/- which includes the following fees:

Items of the Installment	Tk.
Admission Fee	15,000
Library Fee	3,000
Rover Scout & BNCC Fee	1,000
Student Smart Card (In Balance 200 TK)	1,000
Student Life Insurance	1,600
Semester Fee	5,500
Development Fee	4,500
Laboratory Fee	2,000
Extra Curricular Activities Fee	1500
Total Fee during admission	35,100

*Admission Form price 1000/-

SEMESTER WISE FEES

Credit Hours	Total Payable	Registration Fee	Before Mid-Term Examination	Before Final Examination
Semester 1 (Level-1, Term-1)	69,100	35,100 Admission & Registration fee	17000	17000
Semester 2 (Level-, Term-2)	53,000	13500	19750	19750
Semester 3 (Level-1, Term-3)	46,500	13500	16500	16500
Semester 4 (Level-2, Term-1)	52,000	13500	19250	19250
Semester 5 (Level-2, Term-2)	52,500	13500	19500	19500
Semester 6 (Level-2, Term-3)	54,500	13500	20500	20500
Semester 7 (Level-3, Term-1)	56,500	13500	21500	21500
Semester 8 (Level-3, Term-2)	56,000	13500	21250	21250
Semester 9 (Level-3, Term-3)	48,500	13500	17500	17500
Semester 10 (Level-4, Term-1)	57,000	13500	21750	21750
Semester 11 (Level-4, Term-2)	36,500	13500	11500	11500
Semester 12 (Level-4, Term-3)	35,000	13500	10750	10750

2nd SEMESTER: Level-1 Term-2

Course Code	Course Title	Credit Hours
ENG 123	English Language II	3
MAT 121	Mathematics II	3
PHY 123	Physics II	3
PHY 124	Physics II Laboratory	1
ETE 111	Structured Programming	3
ETE 112	Structured Programming Laboratory	1
	Total	14

3rd SEMESTER: Level-1 Term-3

Course Code	Course Title	Credit Hours
MAT 131	Mathematics III	3
STA 133	Statistics and Probability	3
BBA 131	Principles of Economics	2
ETE 131	Electrical Circuits I	3
ETE 132	Electrical Circuits I Laboratory	1
	Total	12

4th SEMESTER: Level-2 Term-1

Course Code	Course Title	Credit Hours
MAT 215	Engineering Mathematics	3
ETE 211	Electrical Circuits II	3
ETE 212	Electrical Circuits II Laboratory	1
ETE 213	Electronics I	3
ETE 214	Electronics I Laboratory	1
BBA 215	Financial and Managerial Accounting	2
	Total	13

5th SEMESTER: Level-2 Term-2

Course Code	Course Title	Credit Hours
ETE 221	Measurement and Instrumentation	3
ETE 222	Measurement and Instrumentation Laboratory	1
ETE 223	Electronics II	3
ETE 224	Electronics II Laboratory	1
ETE 225	Signals and Communication Systems	3
ETE 226	Signals and Communication Systems Laboratory	1
	Total	12

6th SEMESTER: Level-2 Term-3

Course Code	Course Title	Credit Hours
ETE 231	Electrical Machine	3
ETE233	Data communication	2
ETE 235	Digital Electronics	3
ETE 236	Digital Electronics Laboratory	1
ETE 237	Digital Communication	3
ETE 238	Digital Communication Laboratory	1
	Total	13

7th SEMESTER: Level-3 Term-1

Course Code	Course Title	Credit Hours
ETE 313	Numerical Analysis	3
ETE 314	Numerical Analysis Laboratory	1
ETE 315	Telecommunication Networks	3
ETE 316	Telecommunication Networks Laboratory	1
ETE 317	Microprocessor and Interfacing	3
ETE 318	Microprocessor and Interfacing Laboratory	1
ETE 319	Simulation Laboratory	1
	Total	13

8th SEMESTER: Level-3 Term-2

Course Code	Course Title	Credit Hours
ETE 321	Digital Signal Processing	3
ETE 322	Digital Signal Processing Laboratory	1
ETE 323	Industrial and Power Electronics	3
ETE 324	Industrial and Power Electronics Laboratory	1
ETE 325	Electromagnetic Fields and Waves	3
ETE 327	Ethics and Art of Living	3
	Total	14

9th SEMESTER: Level-3 Term-3

Course Code	Course Title	Credit Hours
ETE 331	Computer Networks	3
ETE 332	Computer Networks Laboratory	1
ETE 335	Control Systems	3
ETE 336	Control Systems Laboratory	1
ETE 337	Optical Fiber Communication	3
	Total	11

10th SEMESTER: Level-4 Term-1

Course Code	Course Title	Credit Hours
ETE 411	Renewable Energy Technology	3
ETE 413	Wireless and Mobile Communications	3
ETE 415	Microwave Engineering	3
ETE 416	Microwave Engineering Laboratory	1
GED 417	Bangladesh Studies	3
	Total	13

11th SEMESTER: Level-4 Term-2

Course Code	Course Title	Credit Hours
ETE 499	Project / Internship	4
ETE 421	Solid State Electronics	3
ETE 451	Advances Telecommunication Network	3
	Total	13

12th SEMESTER: Level-4 Term-3

Course Code	Course Title	Credit Hours
ETE 452	Digital and Satellite Communication	3
ETE 457	Broadcast technologies	3
ETE 498	Comprehensive Viva	1
	Total	7

