

Department of EEE, BUET
List of Offered Courses
Postgraduate April 2021 Semester

Sl. no.	Course No.	Course Title	Name	Day and Time	Online LMS/ Room
1	EEE 6208	Advanced Multimedia Communications	Dr. Md. Saifur Rahman	Saturday 2:00 pm ~ 5:00 pm	MS Teams/ EEE 627
2	EEE 6401	MOS Devices	Dr. Quazi Deen Mohd Khosru	Monday 2:00 pm ~ 5:00 pm	MS Teams/ EEE 627
3	EEE 6410	Semiconductor Characterization Technology	Dr. Md. Shafiqul Islam	Tuesday 3:00 pm ~ 6:00 pm	MS Teams/ EEE 627
4	EEE 6407	Carbon Nanotechnology	Dr. Sharif Mohammad Mominuzzaman	Saturday 10:00 am ~ 1:00 pm	MS Teams/ ECE 139
5	EEE 6606	Optical Waveguide Theory	Dr. Md. Shah Alam	Tuesday 2:00 pm ~ 5:00 pm	MS Teams / EEE 632
6	EEE 6003	Solar Photovoltaic Systems	Dr. Md. Ziaur Rahman Khan	Sunday 2:00 pm ~ 5:00 pm	MS Teams/ EEE 632
7	EEE 6705	Biomedical Signal Processing	Dr. Shaikh Anowarul Fattah	Saturday 5:00 pm ~ 8:00 pm	MS Teams/ EEE 632

Sl. no.	Course No.	Course Title	Name	Day and Time	Online LMS/ Room
8	EEE6503	Laser Theory	Dr. Md. Nasim Ahmed Dewan	Monday 2:30 pm ~ 5:30 pm	MS Teams/ EEE 535
9	EEE 6209	Digital Image Processing	Dr. S. M. Mahbubur Rahman	Tuesday 2:30 pm ~ 5:30 pm	MS Teams/ EEE 634
10	EEE 6904	Power System Stability	Dr. Abdul Hasib Chowdhury	Tuesday 5:00 pm ~ 8:00 pm	MS Teams/ EEE 632
11	EEE 6009	Energy Planning	Dr. Farseem Mannan Mohammedy	Wednesday 5:00 pm ~ 8:00 pm	MS Teams/ EEE 632
12	EEE 6412	Heterostructures and Compound Semiconductor Devices	Dr. Samia Subrina	Wednesday 3:00 pm ~ 6:00 pm	MS Teams/ EEE 627
13	EEE 6207	Broadband Wireless Communication	Dr. Md. Forkan Uddin	Sunday 5:00 pm ~ 8:00 pm	MS Teams/ EEE 634
14	EEE 6613	Signal Detection and Estimation Theory	Dr. Lutfu Akter	Tuesday 5:00 pm ~ 8:00 pm	MS Teams/ EEE 632

Sl. no.	Course No.	Course Title	Name	Day and Time	Online LMS/ Room
15	EEE 6512	Nanoscale Device Modeling and Simulation Techniques	Dr. Md. Kawsar Alam	Saturday 2:00 pm ~ 5:00 pm	MS Teams/ EEE 632/
16	EEE 6011	Semiconductor Detector for Image Sensors	Dr. Shaikh Asif Mahmood	Monday 5:00 pm ~ 8:00 pm	MS Teams/ EEE 632
17	EEE 6301	Power Semiconductor Circuits	Mr. Yeasir Arafat	Saturday 2:00 pm ~ 5:00 pm	MS Teams/ EEE 634
18	EEE 6505	Nanophotonics and Plasmonics	Dr. Sajid Muhaimin Choudhury	Saturday 5:00 pm ~ 8:00 pm	MS Teams/ EEE 627
19	EEE 6615	Advanced Electromagnetic Theory	Dr. Md. Asiful Islam	Wednesday 2:00 pm ~ 5:00 pm	ZOOM/ EEE 634
20	EEE 6411	Spintronic Devices	Dr. Orchi Hassan	Sunday 5:00 pm ~ 8:00 pm	MS Teams/ EEE 632

**** As long as physical class is postponed for COVID-19, classes will be taken using online LMS platform.**

Rules for Divisions of Specialization and Choice of Courses:

Presently there are three divisions of specialization, namely (1) Electrical Energy and Power Systems (EEPS) Division (2) Electronics and Photonics (EP) Division and (3) Communication and Signal Processing (CSP) Division, under which a postgraduate student can specialize. Presently the PG courses are arranged as below:

Summary Table of Post-Graduate Course Curriculum (effective from April 2021 semester)

Group	Total Number of Courses	Numbering Series
Interdisciplinary	18	6002-6011, 6101, 6103, 6301-6302, 6701-6702, 6704-6705
Communication and Signal Processing (CSP)	23	6202-6204, 6206-6213, 6604, 6606-6616
Electronics and Photonics (EP)	21	6401, 6403-6408, 6410-6413, 6501, 6503, 6505-6512
Electrical Energy and Power Systems (EEPS)	15	6801-6803 6901, 6904-6908, 6911-6916

EEE 6000: Thesis

Thesis (For PhD. 45 Credits, for M.Sc. Engg.: 18 Credits)/ Project (for M. Engg.: 6 Credits)

[1] For the degree of M.Sc. Engg., a student has to take a minimum of 6 (six) courses of which at least 3 (three) are from his/her chosen Division, and remaining 3 (three) are from the Interdisciplinary group or any Division.

[2] For the degree of M. Engg., a student has to take a total of 10 (ten) courses of which at least 5 (five) are from his/her Division and remaining 5 (five) are from the Interdisciplinary group or any Division.

[3] The topic of the thesis (for M.Sc. Engg. degree)/ project (for M. Engg. degree) must be related to the Division of the student or the Interdisciplinary group.

[4] The course EEE 6002 can be taken by a student only once in any program irrespective of the topic title under EEE 6002.

[5] MAXIMUM number of seats for each course is 40 and minimum is 5.

[6] When any M.Sc. Engg./M. Engg. student is registered for credit for the first time, he/she must register for a minimum of 3 credit theory course. They can also register for a thesis/project course from this semester. For thesis/project registration, PERMISSION of concerned teacher, who will be the supervisor, MUST be taken through application to the Head of the Department.