

Department of EEE, BUET
List of Offered Courses
Postgraduate April 2022 Semester

Sl. no.	Course No.	Course Title	Division of the course	Name	Day and Time	Venue (room number)
1	EEE 6208	Advanced Multimedia Communications	CSP	Dr. Md. Saifur Rahman	Saturday 2:00PM – 5:00 PM	ECE 625
2	EEE 6604	Antenna and Propagation	CSP	Dr. Pran Kanai Saha	Tuesday 5:00 PM – 8.00 PM	ECE 627
3	EEE 6410	Semiconductor Characterization Technology	EP	Dr. Md. Shafiqul Islam	Tuesday 2:00 PM – 5:00 PM	ECE 627
4	EEE 6407	Carbon Nanotechnology	EP	Dr. Sharif Mohammad Mominuzzaman	Saturday 10:00 AM – 1:00 PM	ECE 139
5	EEE 6606	Optical Waveguide Theory	EP/ CSP	Dr. Md. Shah Alam	Sunday 2:00 PM – 5:00 PM	ECE 632
6	EEE 6003	Solar Photovoltaic Systems	Interdisciplinary / EEPS	Dr. Md. Ziaur Rahman Khan	Monday 2:00 PM – 5:00 PM	ECE 632
7	EEE 6212	Genomic Signal Processing	CSP	Dr. Mohammed Imamul Hassan Bhuiyan	Tuesday 2:00 PM –	ECE 625

Sl. no.	Course No.	Course Title	Division of the course	Name	Day and Time	Venue (room number)
					5:00 PM	
8	EEE 6608	Machine Learning and Pattern Recognition	CSP/ Interdisciplinary	Dr. Shaikh Anowarul Fattah	Saturday 10:00 AM – 1:00 PM	ECE 627
9	EEE 6503	Laser Theory	EP	Dr. Md. Nasim Ahmed Dewan	Sunday 2:00 PM – 5:00 PM	ECE 625
10	EEE 6209	Digital Image Processing	CSP	Dr. S. M. Mahbubur Rahman	Saturday 2:00 PM – 5:00 PM	ECE 632
11	EEE 6904	Power System Stability	EEPS	Dr. Abdul Hasib Chowdhury	Monday 5:00 PM – 8:00 PM	ECE 625
12	EEE 6009	Energy Planning	Interdisciplinary / EEPS	Dr. Farseem Mannan Mohammedy	Saturday 2:00 PM – 5:00 PM	ECE 627
13	EEE 6207	Broadband wireless communication	CSP	Dr. Md. Forkan Uddin	Saturday 5:00 PM – 8:00 PM	ECE 625
14	EEE 6613	Signal Detection and Estimation Theory	CSP	Dr. Lutfu Akter	Sunday 5:00 PM – 8:00 PM	ECE 632
15	EEE	Nanoscale Device	EP	Dr. Md. Kawsar Alam	Sunday	ECE 627

Sl. no.	Course No.	Course Title	Division of the course	Name	Day and Time	Venue (room number)
	6512	Modeling and Simulation Techniques			2:00 PM – 5:00 PM	
16	EEE 6011	Semiconductor Detector for Image Sensors	Interdisciplinary	Dr. Shaikh Asif Mahmood	Tuesday 2:00 PM – 5:00 PM	ECE 632
17	EEE 6301	Power Semiconductor Circuits	Interdisciplinary/ EEPS	Yeasir Arafat	Tuesday 2:00 PM – 5:00 PM	ECE 634
18	EEE 6505	Nanophotonics and Plasmonics	EP	Dr. SajidMuhaimin Choudhury	Sunday 5:00 M – 8:00 PM (Students who have scheduling conflict are requested not to take this course)	ECE 625
19	EEE 6412	Heterostructures and Compound Semiconductor Devices	EP	Dr. Nadim Chowdhury	Sunday 2:00 PM – 5:00 PM	ECE 634

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.

[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. Postgraduate students who have admitted before April 2021 semester, for thesis/project registration, MUST apply to the Head of the Department with the consent of the prospective supervisor.