



**Prospectus for Admission into Postgraduate Programs**

Website for Online Application: <http://www.buet.ac.bd>

A. The postgraduate degrees and diplomas offered by different Departments and Institutes for **April 2017** Semester are mentioned below.

**1. Doctor of Philosophy (Ph.D.) Degree Offered by**

<b>Departments/ Institutes</b>	
Architecture	Materials and Metallurgical Engineering
Chemical Engineering	Naval Architecture and Marine Engineering
Chemistry	Petroleum and Mineral Resources Engineering
Civil Engineering	Physics
Computer Science and Engineering	Urban and Regional Planning
Electrical and Electronic Engineering	Water Resources Engineering
Industrial and Production Engineering	Glass and Ceramic Engineering
Mathematics	Institute of Water and Flood Management
Mechanical Engineering	

**2. Master of Philosophy (M. Phil.) Degree in**

Chemistry	Mathematics	Physics
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**3. Masters Degree Programs:**

<b>Departments/ Institutes</b>	<b>Degrees Offered</b>
Dept. of Architecture	Master of Architecture
Dept. of Chemical Engineering	Master of Science in Chemical Engineering Master of Engineering in Chemical Engineering
Dept. of Chemistry	Master of Science in Chemistry
Dept. of Civil Engineering	Master of Science in Civil Engineering (Environmental) Master of Science in Civil Engineering (Geotechnical) Master of Science in Civil Engineering (Structural) Master of Science in Civil Engineering (Transportation) Master of Science in Environmental Engineering Master of Engineering in Civil Engineering (Environmental) Master of Engineering in Civil Engineering (Geotechnical) Master of Engineering in Civil Engineering (Structural) Master of Engineering in Civil Engineering (Transportation) Master of Engineering in Environmental Engineering
Dept. of Computer Science and Engineering	Master of Science in Computer Science and Engineering Master of Engineering in Computer Science and Engineering
Dept. of Electrical and Electronic Engineering	Master of Science in Electrical and Electronic Engineering Master of Engineering in Electrical and Electronic Engineering
Dept. of Industrial and Production Engineering	Master of Science in Industrial and Production Engineering Master of Engineering in Industrial and Production Engineering Master of Science in Advanced Engineering Management Master of Engineering in Advanced Engineering Management
Dept. of Mathematics	Master of Science in Mathematics
Dept. of Mechanical Engineering	Master of Science in Mechanical Engineering Master of Engineering in Mechanical Engineering
Dept. of Materials and Metallurgical Engineering	Master of Science in Materials and Metallurgical Engineering Master of Engineering in Materials and Metallurgical Engineering Master of Science in Materials Science
Dept. of Naval Architecture and Marine Engineering	Master of Science in Naval Architecture and Marine Engineering Master of Engineering in Naval Architecture and Marine Engineering
Dept. of Petroleum and Mineral Resources Engineering	Master of Science in Petroleum and Mineral Resources Engineering Master of Engineering in Petroleum and Mineral Resources Engineering
Dept. of Physics	Master of Science in Physics
Dept. of Urban and Regional Planning	Master of Urban and Regional Planning by Course and Thesis Master of Urban and Regional Planning by Course and Project
Dept. of Water Resources Engineering	Master of Science in Water Resources Engineering Master of Engineering in Water Resources Engineering
Dept. of Glass and Ceramic Engineering	M. Sc. Engineering in GCE (Glass and Ceramic Engineering) Master of Engineering in GCE (Glass and Ceramic Engineering) Master of Science in GCS (Glass and Ceramic Science)
Institute of Water and Flood Management (IWFM)	Master of Science in Water Resources Development
Institute of Information and Communication Technology (IICT)	Master of Science in Information and Communication Technology Master of Engineering in Information and Communication Technology
Institute of Appropriate Technology (IAT)	Master of Science in Management of Technology (MOT)

#### 4. Post Graduate Diploma in

i) Water Resources Development, ii) Information and Communication Technology

#### B. Admission Requirements for Doctor of Philosophy (Ph.D.) Degree:

For admission to the courses leading to a Ph.D. degree an applicant

- a) must have a minimum GPA of 3.50 out of 5.00 or a first division or equivalent in any one of S.S.C. and H.S.C. or in equivalent examinations and must not have a GPA less than 2.00 out of 5.00 or a third division or equivalent in any of the aforementioned examinations.
- b) must have at least 50% marks or a minimum GPA of 2.50 out of 4.00 or its equivalent in B.Sc. Engg./ four-year B.A. or B.Sc. or B.S. degree/ M.A. or M. Sc. or M. S. or MSS degree/ B. Arch./ BURP in the relevant branch.
- c) must have a minimum GPA of 2.75 out of 4.00 or its equivalent in M.Sc. Engg./ M.Engg./ M.Phil/ MURP/ M.Arch./ M.Sc.(WRD)/MBA/ M.Sc. (Thesis) / M.S. (Thesis) degree in the relevant branch.
- d) Specific requirements for different Departments and Institutes are spelt out in the following sections.
  - For engineering, the minimum qualification for admission shall normally be an M.Sc. Engg./ M.Engg. degree in the appropriate branch of engineering or its equivalent from any recognized Institution.
  - For Advanced Engineering Management (AEM) in IPE department, the minimum qualification for admission shall normally be an M.Sc. Engg. /M. Engg. in IPE/AEM or its equivalent from a recognized Institution or MBA degree or its equivalent from a public university.
  - For Materials and Metallurgical Engineering, applicants having an M. Phil. in Materials Science or its equivalent from a recognized Institution may also be eligible for admission.
  - For Urban and Regional Planning, the minimum qualification for admission shall normally be an MURP degree or its equivalent from any recognized Institution.
  - For Architecture, the minimum qualification for admission shall normally be an M. Arch. degree or its equivalent from any recognized Institution.
  - For Chemistry, the minimum qualification for admission shall normally be a four-year Bachelor's degree plus three- semester M.Sc./ M.S.degree with thesis / four-year Bachelor's degree plus two semester M.Sc. / M.S. with thesis /M. Phil. degree in Chemistry/ Applied Chemistry/Biochemistry/Pharmacy/Food and Nutrition or its equivalent from any recognized Institution.

OR

M.Sc.Engg. in Chemical/ Materials and Metallurgical/ Electrical and Electronic/ Mechanical/Civil/Environmental /Textile Engineering.

A candidate enrolled in the Ph.D program having two semester M.Sc./M.S. degree with thesis have to complete additional courses of 12 Credit Hours with minimum GPA of 2.75 out of 4.

- For Mathematics, the minimum qualification for admission shall normally be a four-year Bachelor's degree plus three semester M. Sc./M. S. degree with thesis/ four year Bachelor's degree plus two semester M. Sc./M. S. degree with thesis/ M. Phil. degree in Mathematics/Applied Mathematics or its equivalent from any recognized Institution.

OR

M.Sc. Engg. degree provided he / she completes some prerequisite courses in Mathematics as determined by a Selection Committee.

A candidate enrolled in the Ph. D. program having two semester M. Sc./M. S. degree with thesis have to complete additional courses of 12 credit hours with minimum GPA of 2.75 out of 4.

- For Physics, the minimum qualification for admission shall normally be a four-year Bachelor's degree plus three-semester M.Sc. or M.S. degree with thesis / four-year Bachelor's degree plus two-semester M.Sc. or M.S. degree with thesis / M. Phil. degree in Physics or its equivalent from any recognized institution.

OR

M.Sc. Engg. degree in Electrical & Electronic/ Materials & Metallurgical Engineering or its equivalent.

A candidate enrolled in the Ph.D. program having two-semester M.Sc. / M.S. degree with thesis in Physics have to complete additional courses of 12 credit hours with minimum GPA of 2.75 out of 4.00.

- For Glass and Ceramic Engineering, applicants having an M.Sc. in Glass and Ceramic Science (GCS), Material Science with a duration of at least 3 semesters (Eighteen months), or its equivalent from a recognized institution may also be eligible for admission.
- For Water Resources Development, the minimum qualification for admission shall normally be an M.Sc. Engg./M. Engg. degree in Civil Engineering/ Water Resources Engineering/ Environmental Engineering/ Agricultural Engineering or M. Sc. degree in Water Resource Development or its equivalent from any recognized Institution.

A student already working for an M.Sc. Engg./ M.Phil/ M.Sc./ MS/ MURP/ M. Arch./ M.Sc.(WRD) degree at this University and showing excellent progress and promise in thesis work may be provisionally transferred to the Ph.D. degree program after completion of M.Sc. Engg./ M.Phil./ M.Sc / MS/ MURP/ M.Arch./ M.Sc.(WRD) course work with a minimum GPA of 3.00 out of 4.00 on approval of the Committee for Advanced Studies and Research (CASR) on the recommendation of the relevant Board of Post Graduate Studies (BPGS)/Research and Academic Committee (RAC).

### **C. Admission Requirements for Master of Philosophy (M.Phil.) Degree:**

For admission to the courses leading to a M. Phil degree an applicant

- a) must have a minimum GPA of 3.50 out of 5.00 or a first division or equivalent in any one of S.S.C. and H.S.C. or in equivalent examinations and must not have a GPA less than 2.00 out of 5.00 or a third division or equivalent in any of the aforementioned examinations.
- b) must have at least 50% marks or a minimum GPA of 2.50 out of 4.00 or its equivalent in B.Sc. Engg./ four-year B.A. or B.Sc. degree/ M.A. or M. Sc. or MSS degree in the relevant branch.
- c) Specific requirements for different departments are spelt out in the following sections:
  - For admission to the course leading to the award of M. Phil degree in Chemistry, an applicant must have obtained a four-year B. A/ B.Sc. degree (or equivalent) or M. Sc. degree with Honors in Chemistry (Organic, Physical, Inorganic) or Applied Chemistry or B.Sc. Engineering degree in Chemical/ Mechanical/ Electrical and Electronic/ Materials and Metallurgical Engineering. An applicant with M. Sc. degree but not having a Bachelor (honors) degree in Chemistry or Applied Chemistry should have a first class (or equivalent) in the M. Sc. degree.
  - For admission to the course leading to the award of M. Phil. degree in Mathematics, an applicant must have obtained a four-year B.A/ B.Sc. degree or M.A./ M.Sc. degree with Honors in Mathematics or Applied Mathematics. Applicants with M.Sc. degree in Physics or B.Sc. Engineering degree are also eligible provided they complete some prerequisite courses in Mathematics as determined by a Selection Committee. An applicant with M.A./ M. Sc. but not having a Bachelor (honors) degree in mathematics, applied mathematics or physics should have a first class ( or equivalent) in the M.A./ M. Sc. degree.
  - For admission to the course leading to the award of M. Phil degree in Physics, an applicant must have a four-year B. A/ B.Sc. degree (or equivalent) with Honors or M.Sc. degree in Physics or applied Physics or B.Sc. Engineering in Electrical and Electronic/ Materials and Metallurgical Engineering. An applicant with M. Sc. degree (or equivalent) but not having a Bachelor (honors) degree in Physics or applied Physics should have a first class (or equivalent) in the M. Sc degree.

### **D. Admission Requirements for Masters Degree Programs [(M.Sc.Engg./M.Engg./ M.Arch./MURP/ M.Sc.(WRD) /M.Sc (Management of Technology)/ M.Sc(Mat.Sc./Chemistry/Math/Physics/GCS)]:**

For admission to the courses leading to a Master's degree (M.Sc. Engg./ M.Engg./ M.Arch./ MURP/ M.Sc.) an applicant

- a) must have a minimum GPA of 3.50 out of 5.00 or a first division or equivalent in any one of S.S.C. and H.S.C. or in equivalent examinations and must not have a GPA less than 2.00 out of 5.00 or a third division or equivalent in any of the aforementioned examinations.
- b) must have at least 50% marks or a minimum GPA of 2.50 out of 4.00 or its equivalent in four years B.A./B.S./B.Sc (Hons.)/B.Sc Engg./B.Tech./MA or M. Sc. or MSS/ B. Arch./ BURP in the relevant branch.
- c) Specific requirements for different departments and institutes are spelt out in the following sections:
  - For admission to the courses leading to the degree of M.Sc. Engg./M.Engg. in any branch, an applicant must have obtained a B.Sc. Engg. degree in the relevant branch or an equivalent degree from any recognized institution. An applicant with a B.Sc. Engg. degree in other branches of engineering may also be eligible for admission to the courses leading to the degree of M.Sc. Engg. (Environmental)/ M. Engg. (Environmental), M.Sc Engg. (GCE)/ M.Sc. Engg. (AEM)/M. Engg. (AEM) and M. Sc. Engg (MM)/ M. Engg. (MM). In such cases, the selected candidate may be required to undertake non-credit prerequisite courses at the undergraduate and/ or postgraduate level as may be determined by the BPGS of Civil Engineering Department, Glass and Ceramic Engineering Department, Industrial and Production Engineering Department and Materials and Metallurgical Engineering Department respectively.
  - For admission to the courses leading to the degree of M.Arch. an applicant must have obtained a B. Arch degree or its equivalent degree from any recognized institution.
  - For admission to the courses leading to the degree of MURP, an applicant must have either a Bachelor's degree in Urban and Regional Planning/ Architecture/ Engineering/ Agricultural Economics or a four-year Bachelor's degree in Mathematics/ Statistics/ Physics/ Public Administration/ Sociology/ Social Work/ Geography/ Economics or its equivalent from any recognized institution.

**OR**

Master's degree with Honors in Mathematics/ Statistics/ Physics/ Public Administration/ Sociology/ Social Welfare/ Social Work/ Geography/ Economics or its equivalent from any recognized institution. An applicant not having an Honors degree should have a first class in the Master's degree.

- For admission to the courses leading to the degree of M.Sc. Engg. (ICT)/ M. Engg. (ICT) an applicant must have either a Bachelor's degree in Computer Science and Engineering or Electrical and Electronic Engineering or Computer Engineering or Computer Science or Information Technology having a minimum GPA of 2.50 out of 4.00 or its equivalent from any recognized university.

**OR**

A PG. Dip. (ICT)/ PG. Dip. (IT) having a minimum GPA of 2.65 out of 4.00 or its equivalent from any recognized university plus B.Sc. Engineering degree or Master's degree/ four year Bachelor's degree in Physics or Mathematics.

- For admission to the courses leading to the degree of M.Sc. (WRD), an applicant must have either a four year Bachelor's degree in Civil Engineering/ Water Resources Engineering/ Agricultural Engineering/ Urban and Regional Planning/ Environmental Science/ Environmental Science and Management/ Soil, Water and Environment/ Geography and Environment/ Geology/ Disaster Management or its equivalent having a minimum GPA of 2.5 out of 4.0 or PG. Dip. (WRD) or its equivalent having a minimum GPA of 2.65 out of 4.0 from any recognized institution.
- For admission to the courses leading to the degree of M.Sc. in Management of Technology, an applicant must pass from a recognized university with any of the following degrees having at least 50 percent marks or a minimum GPA of 2.50 out of 4.00  
Four year Bachelor Degree or Post-graduate Degree in Engineering/Technology, Urban & Regional Planning (URP), Agricultural Sciences, Physical Sciences (Physics and Chemistry), Bio-Science, Computer Sciences, Environmental Sciences, Soil Sciences, Forestry, Architecture (5 years bachelor degree) or its equivalent.
- For admission to the courses leading to the award of the degree of M. Sc.(GCS), an applicant must have a four-year Bachelor's degree or a Master's degree with Honors in Physics/ Applied Physics and Electronics/ Electronics and Applied Physics/ Chemistry/ Applied Chemistry/ Applied Chemistry and Chemical Technology/ Chemical Technology and Polymer Science/ Chemical Engineering and Polymer Science/ Geology/ Mining/ Geology and Mining/ Geological Science/ Environmental Science/ Materials Science and Technology/ Glass and Ceramic Science or its equivalent degree from any recognized institution. The selected candidate may be required to undertake non-credit prerequisite courses at the undergraduate and / or postgraduate level as may be determined by the BPGS of Glass and Ceramic Engineering (GCE) Department.
- For admission to the courses leading to the award of the degree of M.Sc. (Mat. Sc.), an applicant must have a four-year Bachelor's degree or a Master's degree with Honors in Physics/ Applied Physics and Electronics/ Electronics and Applied Physics/ Chemistry/ Applied Chemistry/ Applied Chemistry and Chemical Technology/ Chemical Technology and Polymer Science/ Chemical Engineering and Polymer Science/ Geology/ Mining/ Geology and Mining/ Geological Science/ Environmental Science/ Materials Science and Technology or its equivalent degree from any recognized institution. The selected candidate may be required to undertake non-credit prerequisite courses at the undergraduate and/or post graduate level as may be determined by the BPGS of Materials and Metallurgical Engineering Department.
- For admission to the courses leading to the degree of M.Sc (Chemistry), an applicant must have a four years B.S/B.Sc. (Hons.) degree in Chemistry having a minimum GPA of 2.5 out of 4 or at least 50% marks of its equivalent from any recognized university.
- For admission to the courses leading to the degree of M.Sc (Mathematics), an applicant must have a four years Bachelor's degree in Mathematics having a minimum GPA of 2.5 out of 4 or at least 50% marks or its equivalent from any recognized university.
- For admission to the courses leading to the degree of M.Sc. Engg. / M. Engg. in the Department of Glass and Ceramic Engineering, an applicant must have obtained a B.Sc.Engg. Degree in the field of Glass and Ceramic Engineering or an equivalent degree from any recognized institution. An applicant with a B.Sc.Engg. Degree in other branches of engineering may also be eligible for admission to the courses leading to the degree of M.Sc. Engg (GCE) / M. Engg (GCE). In such cases, the selected candidate may be required to undertake non-credit prerequisite courses at the undergraduate and / or postgraduate level as may be determined by the BPGS of Glass and Ceramic Engineering (GCE) Department.
- For admission to the courses leading to M.Sc in Physics, an applicant must have at least 50% marks or a minimum GPA of 2.50 out of 4.0 or its equivalent in four years B.A/B.S/B.Sc.(Hons.) in Physics/Applied Physics, Electronics and Communication Engineering, or B.Sc. Engg. in Electrical & Electronic Engineering/Materials & Metallurgical Engineering or in a relevant discipline.

**OR**

Having three years BA/BS/B.Sc.(Hons.) in Physics/Applied Physics, Electronics and Communication Engineering, or in a relevant discipline must have at least 50% marks or a minimum GPA of 2.50 out of 4.0 or its equivalent in M.A./M.S/M.Sc in Physics or in a relevant discipline.

## E. Admission Requirements for Post Graduate Diploma in

For admission to the courses leading to a PG. Diploma (WRD/ICT), an applicant

- a) must have a minimum GPA of 3.50 out of 5.00 or a first division or equivalent in any one of S.S.C. and H.S.C. or in equivalent examinations and must not have a GPA less than 2.00 out of 5.00 or a third division or equivalent in any of the aforementioned examinations.
- b) must have at least 50% marks or a minimum GPA of 2.50 out of 4.00 or its equivalent in B.Sc. Engg./ B.Sc. Ag/ B.Sc. Econ. or B.Sc./ BSS degree/ M.A. or M. Sc. or MSS degree/ BURP degree in the relevant branch.
- c) Specific requirements for different departments and institutes are spelt out in the following sections:
  - For admission to the courses leading to the award of the PG. Dip. (WRD), an applicant must have either a four year Bachelor's degree in Engineering/ Agriculture/ Physical Science/ Biological Science/ Economics/Agricultural Economics or an equivalent degree from any recognized institution. An applicant not having a four year Bachelor's degree must have a Master's degree with honors.
  - For admission to the course leading to the PG. Dip. in ICT, an applicant must have either B.Sc Engineering degree or Master degree/ Four year Bachelor degree in Computer Science, Information Technology, Physics or Mathematics.

## F. Submission of Application

Thank you for your interest in the Postgraduate Programs of BUET. Application for **April 2017** Semester intake will be received within the period from **04.03.2017 to 19.03.2017** Please read through the steps and notes carefully before filling in the online Application Form.

### Step 1: Submission of Online Application

The facility for the submission of online Application will be available through the website of BUET (<http://www.buet.ac.bd>) from **04.03.2017, 9:30 am**. The deadline for the submission of online Application Form on the website is **19.03.2017, 4:00 pm**.

An applicant must fill in electronically the information related to admission (Desired Program, Status of Studentship, etc), his/her personal information (Name, Father's Name, Mother's Name, Date of Birth, Addresses, Gender, Nationality, etc), his/her academic information, his/her experience (if any), names and addresses of two referees.

To upload your digital photograph, simply locate your image file by clicking the Browse button. The photograph to be submitted online should be in any of the .JPG, .JPEG, .GIF, .PNG, or .BMP formats, although .JPG format is preferred. Most digital cameras and scanners on the market today utilize this format. If you are in doubt, submit the photo and you will receive a notice if it does not meet the necessary criteria.

After filling in all necessary data in the online Application Form on the website, the applicant must electronically submit the Form. The submission of Online Application should be followed by Steps 2 – 5 as stated below.

***The applicant must also submit the printed copy of the submitted Application Form within the due date. Failure to do this will result in the cancellation of the online application.***

### Step 2: Printing the Application Form and Stapling Photographs

After electronically submitting the Online Application Form on the website, the applicant must download this form (in PDF) and take a print out of the same. The information pertaining to the Photograph, Name in Bangla (Item No. 4 in the Application Form) and Signature will have to be provided by the applicant on the printed Application Form. Two attested copies of recent passport-size color photographs should be stapled at the appropriate place provided in the Form. The name of the applicant must be written on the reverse side of each photograph. *Be informed that the hardcopy (automatically generated in PDF format) will not print your photograph.*

Please note that Serial No. of Application Form will be generated automatically and almost immediately if the online application has been successfully sent. *Please take note of this Serial No. of Application Form for future use.*

If you have completed and submitted the online Application Form but have not downloaded the PDF file for printing it, you can download the PDF file later by entering the Serial No. of Application Form and your Date of Birth through the website of BUET.

### Step 3: Attaching All Supporting Documents

Documents submitted in support of your application are non-returnable. Please submit only attested and clearly legible photocopies of documents. Original documents should not be submitted. The University will not be responsible for the loss or damage of original documents, if submitted.

The printed copy of the completed Application Form together with the following supporting documents must be submitted to the Registrar's Office to complete the application procedure.

- i. Attested copies of certificates of all public examinations.
- ii. Attested copies of transcripts/ grade-sheets/ mark-sheets of degrees obtained.
- iii. Attested copies of testimonial/ character certificate from the institution last attended.
- iv. Letter of Consent, in prescribed form, from the employer for applicants in part-time or full-time employment.

### Step 4: Payment of Application Fee

Non-refundable application fee of Tk. 500/- (Five Hundred) must be paid in cash as application fee at the time of the submission of complete application to Registrar's Office, BUET. Please **DO NOT** send cash payment by post. The University will not be responsible for any loss of cash payment submitted by post.

### Step 5: Submission of the Complete Application

A complete application includes the printed copy of the completed online Application Form as described in Step 2 attached with all necessary supporting documents as described in Step 3. The complete application must be submitted to Registrar's Office, BUET by **19.03.2017**, during office hours (**9:00 am to 5:00 pm** except on Thursdays, Fridays and any other holidays). Failure to submit the same will result in cancellation of your online submission.

*Please note that the Application submitted by mail will NOT be accepted.*

### G. Other Important Notes to Applicants

- If you experience technical difficulty when applying online, please contact the Institute of Information and Communication Technology (IICT), 6th Floor, ECE Building (West Palashi), BUET. For other questions about applying for graduate study at a department/ institute of BUET, please contact the respective department/ institute.
- This Prospectus is also available at <http://www.buet.ac.bd>.
- Applicants in employment must apply through their employers for both part-time and full-time enrollments.
- ***Incomplete applications (submitted online but no hardcopy of the Application Form together with all supporting documents submitted to Registrar's Office, BUET) will not be accepted.***
- ***Applications submitted by mail will not be accepted.***
- Selection of candidates for admission into a graduate program is performed by respective department/ institute. The selection procedure may vary from one department to another. Candidates are advised to contact the respective department/ institute for information regarding the selection procedure.
- A few Teaching Assistantships/ Fellowships may be awarded to suitable full-time students.
- Degrees obtained from institutions other than BUET will be subjected to equivalence by appropriate authority of BUET before a candidate is finally selected for admission to a degree/diploma program.
- Course registration will start on **22.04.2017 to 26.04.2017** and classes will commence from **29.04.2017**.
- **The deadline for submission of the online application is 19.03.2017, 4:00 pm and the complete application is 19.03.2017, 5:00 pm.**