

# Bose Institute and University of Calcutta



## ANNOUNCEMENT

### Integrated M.Sc.-Ph.D. Programs in Life Sciences and Physical Science 2015-16

Web site : [www.jcbose.ac.in](http://www.jcbose.ac.in)

Phone no.: 033 2569 3311

ADVT. NO.: BI/09/ M.Sc.Ph.D./2015-16

Applications are invited for admission to the integrated M.Sc.-Ph.D. Programs (academic session 2015-2016) from motivated graduates with good academic record from any branch of science. **The last date for on-line application submission is June 26, 2015. The session is scheduled to start from August 10, 2015.**

#### About the program

An Integrated M.Sc.-Ph.D. Program (on life sciences and physical sciences; duration approximately 6 years) has been introduced at the Bose Institute, Kolkata, in collaboration with the Calcutta University. Often, students in their early career develop a tendency to absorb and process a large amount of information at the expense of analytical abilities, critical thinking and effective communication skills. Our program has been designed to address these deficiencies and orient the students towards research.

#### Areas of specialization

##### *Life Sciences*

- ❖ Plant Molecular Biology & Biotechnology
- ❖ Molecular & Cellular Biology
- ❖ Biophysical Chemistry
- ❖ Computational & Systems Biology

##### *Physical Sciences*

- ❖ Astroparticle Physics (High Energy Physics, Astrophysics and Cosmology)

- ❖ Condensed Matter Physics and Complex Systems
- ❖ Quantum Computation and Information
- ❖ Space Science (Atmospheric Science, Fluid Mechanics and Solar Physics)

### **Eligibility for Application**

- 65% Marks in Madhyamik (class 10) and Higher Secondary (class 12) or equivalent exams  
With at least 70% marks in science subjects (average of class 10 and 12)

### **AND**

- More than 60% marks in B.Sc. (Hons.) in any branch of science or B.Tech/BE/MBBS from any recognized institution (Life Sciences)
- More than 60% marks in B.Sc. (Hons.) in Physics or B.Tech/BE from any recognized institution (for Physical Sciences)

### **Selection**

**Not more than twenty (20)** students in **Life Sciences** and **eight (8)** in **Physical Science** will be admitted on the basis academic record and performance in eligibility tests and interview.

### **Fellowship**

During the first two years (M.Sc.) all students will be offered a fellowship of Rs. 9,000.00 per month provided the student secures **60%** marks on an average or more and attends at least **75%** of the classes in each semester.

### **Application Procedure**

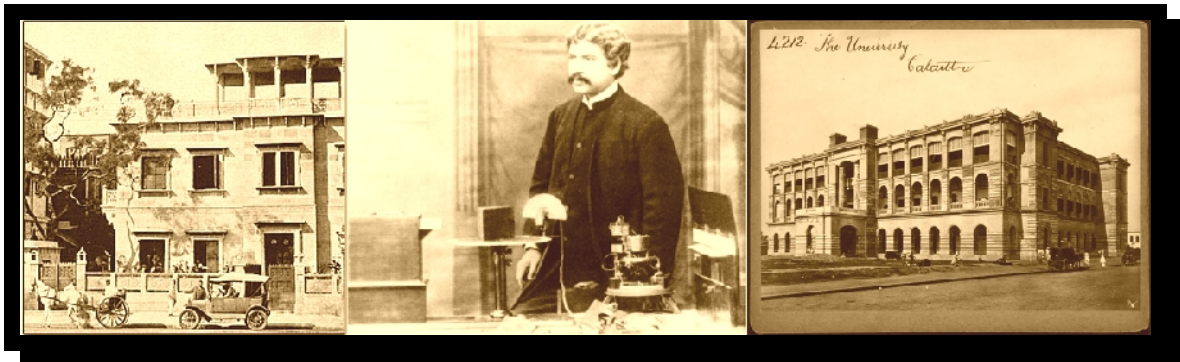
Prospective candidates must first apply [online](#) followed by submission of the hard copy (See below).

Details are available at Bose Institute website: [www.jcbose.ac.in](http://www.jcbose.ac.in) (link Integrated M.Sc.Ph.D. 2015-16). Detailed Information about the Institute can also be found at the Bose Institute website. For any query, please contact [deans\\_office@jcbose.ac.in](mailto:deans_office@jcbose.ac.in)

## **Please Note:**

1. Only applications received online will be processed (17.00 hrs. IST on July 1, 2015). Candidate should send the hard copy of the online application (with applicant's code which will be generated only after submitting the application) along with attested copies of all certificates and testimonials and a recent color passport size photograph.
2. The System will not accept any online application after 17.00 hrs. IST on July 1, 2015.
3. Copies of Certificates/Testimonials need not be attached at the time of online application.
4. Eligibility criteria will be reckoned on the last date of submission of application, i.e., on July 1, 2015.
5. Candidate has to upload a recent passport size photograph( 35 x 35 mm) only in .jpg format not exceeding 50kb
6. The names of short-listed candidates will be posted on website only. No individual letter will be sent.
7. Before applying, the applicants should ensure that they possess at least the essential qualifications and other conditions stipulated in the advertisement. If a candidate is found not eligible, his/her candidature will be cancelled at any stage of the recruitment. (It may be noted that even if a candidate qualifies in the test/ interview and subsequently it is found that he/she does not fulfill the eligibility criteria, his/her candidature will be cancelled).
8. The prescribed essential qualifications are the minimum and mere possession of the same does not entitle a candidate to be called for written test and /or interview. If the number of applications becomes large, the Institute may resort to short listing criteria to restrict the number of candidates to be called for the interview to a reasonable limit by written test and/or any other criteria.
9. The interested and eligible candidates may keep a watch at this site for any amendment.
10. No interim queries will be entertained except technical queries regarding online application. For any such queries contact Webmaster ([webmaster@jcbose.ac.in](mailto:webmaster@jcbose.ac.in))
11. Canvassing or bringing influence in any form will disqualify the candidature.
12. The Institute Authority reserves the right to reject any/all applications without assigning any reason whatsoever.
13. Names of short listed candidates called for written test and/or interview will be announced only at the Bose Institute website. No separate intimation will be forwarded.
14. The students admitted in the Bose Institute shall abide by the Rules and Regulations of the Bose Institute and Calcutta University as prescribed from time to time.
15. The right to change/modify any or all condition(s) prescribed in this prospectus is/are at the sole discretion of the Bose Institute and Calcutta University.
16. Students leave the Programs before completion of two years have to refund the entire scholarship money. Each student has to sign a bond in this regard.
17. Security deposit amounts will be refunded at the end of 4th semester.
18. Outstation students should come prepared to stay for three days (20/07/2015 – 22/07/2015)

19. Candidates whose final results of the examination are awaited may still apply on the basis of the results of their last examination. However, their admission will be subject to securing at least 60% marks in the final examination.
20. Reservation of seats: Reservation of seats for candidates belonging to SC/ST and Other Backward Classes (OBC) shall be in accordance with the reservation policy of the Government of India.
21. Modalities of selecting students and their numbers for each specialization course at the end of 2nd Semester will be decided by the Board of Studies.
22. On successful completion of 2-years of M.Sc. course, students may be admitted to the Ph.D. program under the supervision of faculty members of Bose Institute upon fulfilling the eligibility criteria set by the Board of Studies for the Ph.D. program following the guideline of University Grant Commission, Government of India.
23. Students failing to fulfill the eligibility criteria for Ph.D. program after successfully completing the M.Sc. curriculum will receive M.Sc. degree in Life Sciences/Physical Science with specific specialization.
24. M.Sc. degree certificates will be given under the joint signatures of Director, Bose Institute and Vice-Chancellor, Calcutta University.



### Important dates: Integrated M.Sc.Ph.D. Admission Academic Year 2015-16

Particulars	Date (Day)
Forms available till	26/06/2015 (Friday), 5 pm
Last date for receipt of filled-in online Application Forms	26/06/2015 (Friday), 5 pm
Hard copy of the application with relevant Documents	01/07/2015; must reach Dean's office by 17:00 hours. Address to <b>Dean of Studies, M.Sc.-Ph.D. program, Rm. No. 403 (Annexe wing), Bose Institute, P-1/12 C.I.T. Scheme VII M, Kolkata 700054.</b>
Announcement of the list of candidates eligible for written test	10/07/2015 (Friday)
Written test	20/07/2015 (Monday), 10:30 AM
Announcement of the list of candidates qualified for the interview	20/07/2015 (Monday), 6:00 pm
Interview dates Life Sciences and Physical Science	21/07/2015 (Tuesday) and 22/07/2015 (Wednesday)  10:30 am onwards
Announcement of the list of selected students	24/07/2015 (Friday)
Date of admission Life Sciences and Physical Science	10/08/2015 (Monday);  11:00 a.m. – 2:00 pm
List of wait listed candidates qualifying for the examination (if required) Life Sciences and Physical Science	10/08/2015 (Monday); 4:00 p.m.
Date of admission of the wait listed candidates (if required) Life Sciences and Physical Science	14/08/2015 (Friday);  11:00 a.m. -12 noon
Commencement of Academic Session, 2015-16	17/08/2015 (Monday)