SATYENDRA NATH BOSE
NATIONAL CENTRE FOR BASIC SCIENCES

Block – JD, Sector – III, Salt Lake, Kolkata – 700106

No. SNB/AP-5-521/A-139 Date: 28/10/2026

Detailed Advertisement for

Mid-term Admission into the Ph.D. Programmes in Physical, Chemical & Biological Sciences

Academic Year: 2026-2027

The **S. N. Bose National Centre for Basic Sciences** (**SNBNCBS**) invites applications with consistently good academic record (First Division/Class) to apply for Mid-term Admission into the Ph.D. Programme in Physical, Chemical & Biological Sciences for the academic year 2026-2027.

- ✓ The applicants are expected to be motivated to make a career in Research.
- ✓ The programme is fully residential and the students are offered on-campus accommodations and boarding facilities. Externally funded students may stay off campus if permitted by the Competent Authority.
- ✓ The students, after registering with a Research Supervisor, have to undertake prescribed Course Work Programme. Students will be awarded Doctoral degree based on the PhD. registration made in the University of Calcutta / Jadavpur University / Presidency University, West Bengal.

The details of the Admission Programme are furnished below:

[A]

Department of Condensed Matter & Material Sciences (CMMP)

Focused Research Areas for Admission

- ☑ Physics of Materials
- ☑ Theoretical and Computational Condensed Matter Physics
- ☑ Electronic Structure
- ☑ Ultrafast spin Dynamics and spintronics
- ☑ Electron transport in nanoscale devices
- ☑ Electronic and magnetic properties of topological materials
- ☑ Materials and devices for quantum technology
- ☑ Resistive memory devices for neuromorphic applications
- ☑ Quantum many-body theory, Critical phenomena, and Quantum topological phases
- ☑ Photoemission spectroscopy studies of topological systems
- ☑ Quantum Computing

Basic Qualification			
Examination	**Subject**	**Minimum Marks**	
		For **General**	For **Reserved Category** (SC/ST/OBC-NCL/EWS/PWD)
M.Sc. OR M.Tech.	**Physics, Chemistry, Applied Mathematics, Engineering Physics, Electronics, Nanotechnology, Material Sciences**	**60%**	**55%**
B.Tech.	**Engineering Physics**		

Further Qualifications (National Level Examinations)* [Any **ONE** from the following]	
NET-JRF CSIR / UGC	**INSPIRE#**
All Qualified having award letter / certificate with validity at least upto January 2027	PROVISIONALLY SELECTED

* *Should have validity of the Score/ Award letter at the time of admission.*
\# *In the event of final rejection by INSPIRE, qualification of some National Level Test (NLT) like JEST or GATE examination will be required before registering for their PhD. later.*

Department of Physics of Complex Systems (PCS)

Focused Research Areas for Admission
☑ Statistical Physics ☑ Biological Physics ☑ Quantum computing, quantum machine learning

Basic Qualification			
Examination	**Subject**	**Minimum Marks**	
		For **General**	For **Reserved Category** (SC/ST/OBC-NCL/EWS/PWD)
M.Sc. OR M.Tech.	**Physics** OR **Applied Mathematics**	**60%**	**55%**
B.Tech.	**Engineering Physics**		

Further Qualifications (National Level Examinations)* [Any **ONE** from the following]	
NET-JRF CSIR / UGC	**INSPIRE#**
All Qualified having award letter / certificate with validity at least upto January 2027	PROVISIONALLY SELECTED

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Department of **Chemical & Biological Sciences (CBS)**

Focused Research Areas for Admission
☑ Experimental Physical and Biophysical Chemistry ☑ Experimental LASER Spectroscopy, Ultrafast LASER Spectroscopy ☑ Biomedical Optics ☑ Optical Physics, Nano-Photonics and Plasmonics ☑ Chemical and Soft Matter Physics, Biophysics ☑ Theoretical & Computational Chemistry ☑ Materials Chemistry, Porous Materials, Photocatalysis, Electrocatalysis ☑ Mechanobiology, mechanochemical signalling, magnetic tweezer, single molecular technologies ☑ Cell and molecular biology, cancer biology ☑ Computational biology, bioinformatics ☑ Theory of Living Matter Systems

Basic Qualification			
Examination	**Subject**	**Minimum Marks**	
		For **General**	For **Reserved Category** (SC/ST/OBC-NCL/EWS/PWD)
M.Sc. OR M.Tech.	**Chemistry, Physics, Biophysics, Biochemistry, Biotechnology, Microbiology, Bioinformatics, Computational Biology, Biological Sciences, Applied Optics and/or Photonics, Applied Physics, Electronics, Material Science**	**60%**	**55%**
B.Tech.	**Engineering Physics**		

Further Qualifications (National Level Examinations)* [Any **ONE** from the following]	
NET-JRF CSIR / UGC	**INSPIRE#**
All Qualified having award letter / certificate with validity at least upto January 2027	PROVISIONALLY SELECTED

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[B]
Date of Interview for CBS, CMMP Dept.: November 26-27, 2026
Date of Interview for PCS Dept.: December 1-2, 2026

[C] Age Limit: None. However, the last qualifying University examination (Masters in Science/Technology) should have been taken not earlier than **2024**.

[D] Fellowship: As per GOI rule.

[E] Tuition Fee:

Currently Rs. 13,000/- each year is payable in two equal instalments at the beginning of the Autumn and Spring Semester.

[F] Application Fee:

There is a non refundable application fee of Rs. 250/- for General category candidates & Rs. 100/- for reserved categories (including Women). The fee to be paid through NEFT / RTGS / UPI Mode only.

The account details are as follows:

Name of Account Holder	: S. N. Bose National Centre for Basic Sciences
Account Number	: **089302000000220**
Bank Name and Branch	: Indian Overseas Bank, Salt Lake City Branch
Account Type	: Current Account
IFSC Code	: IOBA0000893

[G] Application Portal:

- Online Application Portal Starts on : 28/10/2026
- Online Application Portal Closes on : 17/11/2026

[H] General Information:

- Only online applications will be accepted. Please log on to http://www.bose.res.in or http://newweb.bose.res.in/AcademicProgrammes/Admission.jsp for further details.
- In matters of admission, the decision of the Director of the Centre is final and binding
- For any issue or technical query related to online application portal, please write to: admission-help@bose.res.in
- For any academic/official query, please write to: admission@bose.res.in .

Sd/-
DEAN (ACADEMIC PROGRAMME)

About The Centre:

The Centre is a premier autonomous research institute under the Department of Science and Technology, Government of India. In addition, the Centre receives extramural funding from various funding agencies of India and abroad for its different research programmes. The Centre has extensive

collaborative programmes with other premier institutions in India and abroad through bi-lateral exchanges in which the PhD research scholars take active part. The Centre is fully equipped with the state-of-the art infrastructure (experimental and computational) including a digital library for advanced research in chosen areas of Physical, Chemical, Biological and Mathematical Sciences. The research programme in biological sciences focuses on the areas of overlap with chemical and biophysical problems. Students joining the centre get contingency grants to meet research contingency expenses that include expenses for attending conferences and training programmes in India. The students also get generous support to attend International Conferences outside India. The Alumni of the Centre have gone on to work in academic and research sectors in India and abroad. The Centre offers an excellent atmosphere for academic development of students.

For research profiles of the members of the Faculty and for the facilities available, for more details please visit **http://www.bose.res.in**