



# INDIAN ASSOCIATION FOR THE CULTIVATION OF SCIENCE

Deemed to be University under *de novo* category  
(under Section 3 of UGC Act, 1956)  
(An Autonomous Institute of the Department of Science & Technology, Government of India)  
JADAVPUR, KOLKATA 700032

## **Admission to its Integrated Bachelor's-Master's Program in Science and Master's/Integrated Master's-Ph.D. Program in Science - 2024 and Ph.D. Program in Autumn Semester of 2024**

Indian Association for the Cultivation of Science (IACS) is the oldest science research institute of its kind in India. Since its inception in 1876, IACS has been conducting research in fundamental sciences at the highest level. IACS is the only institution of India which has earned the Asia's first and the country's only Nobel Prize in Science on the basis of the work done from India. IACS has been conferred a Deemed University status under the *de novo* category for offering degrees in emerging areas of basic and applied sciences vide notification No. F.9-7.2017-U.3(A) dated 26th May 2018 by the Ministry of the Human Resource Development, Government of India. IACS is running its Integrated Bachelor's and Master's Program

in Science and Master's /Integrated Master's-Ph.D. programs in various areas of science along with regular Full-time Ph.D. Program under the different Schools, namely, School of Applied and Interdisciplinary Sciences, School of Biological Sciences, School of Chemical Sciences, School of Materials Sciences, School of Mathematical and Computational Sciences, and School of Physical Sciences.



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### **Admission to the Integrated Bachelor's-Master's Program in Science - 2024**

IACS is conducting a *de novo* five-year Integrated Bachelor's and Master's Program in Science for highly motivated students who have passed (10+2) level Examination in science stream. The objective of this program is to provide high-quality education, research, and training in science. Through this special program, undergraduate teaching is integrated with modern research in all major Schools of the Institute. The first three semesters of the program will comprise foundational courses in Physics, Chemistry, Mathematics, Computer Science and Biological Sciences. From the fourth semester onwards, the students will choose one discipline (from Physics, Chemistry, Biological Science, Mathematics and Computer Science) as majors, subject to fulfilling eligibility criteria and availability of seats in the respective Schools. From the seventh semester the students will be directly exposed to research.

Applications are invited from bright and motivated Indian nationals for admission to the Integrated Bachelor's and Master's Program in Science-2024 likely to begin from August 8, 2024. The applicants who are due to complete their 10+2 level Board Examinations are eligible to appear in a UG Pre-Interview Screening Test (UPST). UPST-2024 will be conducted in a fully computer-based test mode tentatively on 16th June 2024 between 14.00 hrs - 17.00 hrs in various cities across India.

For the UPST, candidates need to attempt 20 questions (2 marks each) from the three compulsory subject (Physics, Chemistry and Mathematics) and another 20 questions (2 marks each) from either Biology or Computer Science. There will be 1 (one) negative mark for 3 (three) wrong answers.

- A cut-off mark to be set based on the aggregate-score of the three compulsory subjects (Physics, Chemistry and Mathematics) in the written test for shortlisting for an interview.
- Final merit list will be prepared considering appropriate weightage of the written test score (including Physics, Chemistry, Mathematics and Biology/ Computer Sciences) as well as the score in the interview. Both the written-test score and the interview score will be individually scaled to 100 prior to calculating the weightage values.

Shortlisted candidates will be called for interview, out of which a maximum of eighty (80) candidates will be selected for the Program as will be declared in IACS website. The selection will be based on the performance in UPST followed by interview, and subject to obtaining 60% marks (reservation criteria will apply as per rules) in the qualifying board (10+2) examination. IACS reserves the right to fix the aggregate cut-off marks in the UPST and also the relative weightage of the interview and the written test.

Admitted students entering into the fourth year may be eligible to receive monthly stipend, following the institute norms. Admission under the reserved categories, including EWS will be as per rule.

### **Admission to the Master's/Integrated Master's-Ph.D. Program in Science - 2024**

Applications are invited from highly motivated Indian nationals for admission to the Master's/Integrated Master's-Ph.D. Program in the Schools of Chemical Sciences, Physical Sciences, Materials Sciences, Mathematical & Computational Sciences, Applied & Interdisciplinary Sciences for the session likely to begin from August 8, 2024. Candidates who have completed or are due to complete their Bachelor's level University Examinations are eligible to apply but their final selection will be subject to securing 60% marks (reservation criteria will apply as per rules) in the qualifying examination. Candidates having Engineering background and opting for School of Mathematical & Computational Sciences should have adequate training in Mathematics and Computer Science. Eligible applicants will be required to appear for a Master's Pre-Interview Screening Test (MPST). MPST-2024 will be conducted in a fully computer-based test mode on **16th June 2024, between 14.00 hrs. - 17.00 hrs** in various cities across India on multiple choice questions on the subject depending upon the choice of School. Candidates shortlisted on the basis of the written test will be called for interview, out of which a maximum of twenty (20) candidates will be selected for admission in each of the Schools. Actual intake in a particular school will depend of the performance of the candidates in MPST and interview. Final merit list will be prepared considering appropriate weightage of both the written test score as well as the score in the interview. IACS reserves the right to fix the cut-off marks in the MPST for interview and also the relative weightage of the interview and the written test.

Admitted students may be eligible to receive a stipend of Rs. 12,000/- p.m. (fixed) for the first two years, provided that they fulfill the prescribed CGPA and other criteria in the final examination of their first semester. On successful completion of the Master's course, the students satisfying criteria to be prescribed by the Institute will be considered for admission to the Ph.D. program as Integrated Master's-Ph.D. students, to whom Junior Research Fellowship will be awarded as per the prevailing norms, provided they meet the criteria of national eligibility and other requirements as decided by IACS. Admission under the reserved categories, including EWS will be as per rule.

### **Admission to Ph.D. Program in Autumn Semester of 2024**

Applications are invited from highly motivated Indian Nationals having strong flair in research in the prescribed form available in the website [www.iacs.res.in](http://www.iacs.res.in) for admission to the Regular Ph.D. Program in the Autumn Semester of 2024 (Announcement for Admission in the Spring Session is likely to be made around October-November, 2024 in the IACS website) under different Schools of IACS. The Academic Session for the said Program will likely to commence from August 08, 2024. Detailed information regarding application procedure, minimum and desired eligibility criteria, vacancies in specific research areas and other relevant information may be found in the website [www.iacs.res.in](http://www.iacs.res.in). Applications for Integrated Bachelor's-Master's and Master's/Integrated Master's-Ph.D. Program are to be made online. The online application portal will be live tentatively on March 20, 2024. There is a non-refundable application fee of Rs. 1200 (Rs. 600 for SC/ST and PD candidates only).

For information on the date of opening/closing for applications, Application Form, Fee Structure, Curriculum and other relevant details, please check the website <http://www.iacs.res.in>.