



**जवाहरलाल नेहरू उन्नत वैज्ञानिक अनुसंधान केंद्र (ज.ने.उ.वै.अ.के.)**  
(विज्ञान एवं प्रौद्योगिकी विभाग, भारत सरकार के अधीन एक स्वायत्त संस्था तथा सम विश्वविद्यालय संस्थान)  
**Jawaharlal Nehru Centre for Advanced Scientific Research**  
(An Autonomous Institution under Dept. of Science & Technology, Govt. of India and  
an Institution Deemed to be University)  
जक्कूरु परिसर, बेंगलूरु - 560 064, भारत / Jakkur Post, Bengaluru - 560 064, INDIA

## MID-YEAR RESEARCH ADMISSIONS 2024-25

### Guidelines for Candidates:

Applications are invited from eligible applicants for admissions to Research Programmes [(Ph.D./ M.S(Engg.)/M.S(Research)] offered by Chemistry and Physics of Materials Unit (CPMU), Engineering Mechanics Unit (EMU), Evolutionary and Organismal Biology Unit (EOBU), and New Chemistry Unit (NCU).

Applicants possessing the educational qualifications including those in the final semester/year of their qualifying examinations but expect to complete all the requirements for award of the degree (like examinations, project dissertations, viva-voce etc.) by 31.12.2024 and can furnish necessary certificates on or before 01 January 2025 are eligible to apply.

### RESEARCH PROGRAMMES [Ph.D. / M.S(Engg.) / M.S(Research)]

#### A. Eligibility

Candidates with an M Sc. or equivalent, B.E/B.Tech/B.S (4 years) or equivalent or M.E/M.Tech or equivalent or MBBS/MD as applicable to individual Units as given in the table below are eligible to apply.

- Candidates with an M.Sc. or equivalent, M.E/M.Tech or equivalent should have at least 55% marks in aggregate or its equivalent grade on a point scale wherever the grading system is followed.
- Candidates seeking admission after a 4-year/8-semester Bachelor's degree programme should have a minimum of 75% marks in aggregate or its equivalent grade on a point scale where the grading system is followed.

The candidates should also have qualified in any one of the national exams: GATE/JEST/GPAT/UGC-JRF/CSIR-NET-JRF/ICMR-JRF/DBT-JRF/INSPIRE-JRF. The award certificate of such tests should have the validity period for seeking admission to a research programme as on 1<sup>st</sup> January 2025.

Qualifying in the national exam is desirable for ME/M.Tech or equivalent degree holders.

Sl No.	Unit	Eligible Education qualifications	Qualifying in any one of the national entrance tests
1.	Chemistry and Physics of Materials Unit	1. Master's Degree in Science or equivalent in Electronics, Chemical/Mathematical/Physical/ Materials Science.	Valid GATE /JEST score / CSIR-JRF/UGC-JRF/DBT-JRF/ICMR- JRF / INSPIRE
		2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Electrical/Electronics/Metallurgy/Polymer/ Engineering Physics/Nano Technology/Chemical.	
		Master's Degree in Engineering/Technology or equivalent in Electrical/Electronics/Metallurgy/Polymer/Engineering Physics/ Nano Technology/Chemical	Qualifying in one of the national exams mentioned above is desirable
2.	Engineering Mechanics Unit	1. Master's Degree in Science or equivalent in Mathematical/Physical Sciences.	Valid GATE /JEST score / CSIR-JRF/UGC-JRF/ INSPIRE
		2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Aerospace/ Mechanical/ Metallurgy/Polymer/ Engineering Physics /Chemical.	
		Master's Degree in Engineering/Technology or equivalent in Aerospace/Mechanical/Metallurgy/Polymer/Engineering Physics/Chemical/Atmospheric Science.	Qualifying in one of the national exams mentioned above is desirable
3.	Evolutionary and Organismal Biology Unit	1. Master's Degree in Science or equivalent in LifeSciences/ any area of Biological Sciences/ Mathematics/ Physics.	Valid GATE /JEST score / CSIR-JRF/UGC-JRF/DBT-JRF/ICMR- JRF/INSPIRE
		2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Biotechnology, Biological Engineering, or any Biology related area.	
		3. MBBS /M.D.	
		4. B.VSc. / M.VSc.	
		Master's Degree in Engineering/Technology or equivalent in Biotechnology, Biological Engineering, or any Biology related area.	Qualifying in one of the national exams mentioned above is desirable
4.	New Chemistry Unit	1. Master's Degree in Chemistry/Physics.	Valid GATE score / CSIR-JRF/UGC-JRF/ DBT-JRF/ICMR-JRF/INSPIRE
		2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science (preferred with Chemistry as a major subject).	

### B. Selection procedure

Candidates are short-listed for an interview based on their performance in the national exams and academic performance. The selection is based on the performance in the interview (in some Units, an aptitude test/preliminary interview may precede the final interview).

### HOW TO APPLY

Applications for all the degree programmes mentioned above are available online. Only online applications will be considered.

## APPLICATION FEE

The application fee is Rs.750/- and is non-refundable. The payment is to be made to the JNCASR bank account through NEFT. Service charges, if any, must be borne by the applicant.

## IMPORTANT DATES

Website opens for online submission of applications	<b>14.10.2024</b>
Last date for submission of applications online (website closes at 23:59 hours on 08.11.2024)	<b>08.11.2024</b>

**Fellowships:** All the regular students joining JNCASR are eligible for a fellowship from JNCASR/ CSIR / UGC/ ICMR / DBT /INSPIRE depending upon their mode of entry.

The applicants are advised to visit the website <https://www.jncasr.ac.in/admission/degree-programmes> for details regarding degree programs and the areas of research carried out in the Research Units.

Admission portal for online submission of applications can be accessed at the following link <https://www.jncasr.ac.in/admission/admissions>

A relaxation of 5% marks or its equivalent grade for those belonging to SC/ST/OBC (non-creamy layer)/PWD and Economically Weaker Section (EWS) categories.

Women candidates are strongly encouraged to apply.

**Academic Coordinator**