



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 संस्था)
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 2023-24

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), Molecular Biology and Genetics Unit (MBGU), New Chemistry Unit (NCU), Neuroscience Unit (NSU) and Theoretical Sciences Unit (TSU).

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 29.12.2023 and can furnish necessary certificates on or before 01 January 2024 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 1st January 2024.

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
		Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Electrical/Electronics/Metallurgy/Polymer/ Engineering Physics/Nano Technology/Chemical.	
		3. 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.	Molecular Biology and Genetics Unit	1. Master's Degree in Science or equivalent in Bioinformatics, Biotechnology, Chemical/ Biological/Life Sciences.	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, Bioinformatics, or any Biology related area.	
		3. MBBS /M.D.	
		Master's Degree in Engineering/Technology or equivalent in Biotechnology, Bioinformatics, 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)	
5.	Neuroscience Unit	1. Master's Degree in Science or equivalent in Neuroscience, Bioinformatics, Biotechnology, Biological/Life Sciences/Pharmacy.	Valid GATE /JEST/GPAT score / CSIR-JRF/UGC- JRF/DBT- JRF/ICMR- JRF / INSPIRE
		2. 4-year Bachelor of Science or equivalent in Biotechnology, Bioinformatics, or any Biology related area/Bachelor's Degree in Engineering or Technology (electrical or computer science branches)	
		3. MBBS /M.D.	
		4. Master's/4-year Bachelor's Degree in non-Biology area with demonstrated interest in Neuroscience can also apply	
		Master's Degree in Engineering/Technology or equivalent in Biotechnology, Bioinformatics, or any Biology related area.	Qualifying in one of the national exams mentioned above is desirable

6.	Theoretical Sciences Unit	1. Master's Degree in Science or equivalent in Electronics, Chemical/Mathematical/Physical/Materials Sciences.	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 Aerospace/ Engineering Physics/ Electrical/ Electronics /Metallurgy /Chemical/Mechanical Sciences.	
		Master's Degree in Engineering/Technology or equivalent in Aerospace/EngineeringPhysics/Electrical/Electronics/Metallurgy/ Chemical/Mechanical Sciences.	Qualifying in one of the national exams mentioned above is desirable

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.

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.500/- 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	18.10.2023
Last date for submission of applications online (website closes at 23:59 hours on 14.11.2023)	14.11.2023

Scholarships: 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