



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)

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RESEARCH ADMISSIONS 2026

Guidelines for Candidates:

Applications are invited from eligible applicants for admissions to the following degree programmes:

- (1) Research Programmes [(Ph.D. / M.S.(Engg.) / M.S.(Research)]
- (2) Integrated B.S. (Research)- Ph.D Programme
- (3) Master of Science (M.Sc.) in Chemistry with the option to specialize in Materials Chemistry/Chemical Biology /Energy (Two-year programme)
- (4) Master of Science (M.Sc.) in Inter-disciplinary Biosciences
- (5) Post Graduate Diploma in Materials Science (PGDMS)

The gist of the admission operations is given in the following paragraphs.

Applicants possessing 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 31.07.2026 and can furnish necessary certificates on or before 01 August 2026 are eligible to apply.

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

1.1 Eligibility for Ph.D program

Candidates with an M Sc. or equivalent, B.E/B.Tech/B.S. (4 year) or equivalent or M.E/M.Tech or equivalent or B.VSc./M.VSc. or MBBS/MD as applicable to individual Units as given in Table 1 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 programme should have a minimum of 75% marks in aggregate or its equivalent grade on a point scale where the grading system is followed.

Candidates desirous of applying should qualify in any one of the national exams: GATE/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 August 2026.

Candidates with UGC-JRF/CSIR-NET-JRF/ICMR-JRF/DBT-JRF/INSPIRE-JRF are strongly encouraged to apply.

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

Table 1

| 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. 2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Electrical/Electronics/Metallurgy/Polymer/Engineering Physics/Nano Technology/Chemical. | Valid GATE score / NET-JRF* |
| | | 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. 2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Mechanical/ Aerospace/ Chemical/ Civil/ Engineering Physics. | Valid GATE score / NET-JRF* |
| | | 3. Master's Degree in Engineering/Technology or equivalent in Engineering/Technology or equivalent in Mechanical/ Aerospace/ Chemical/ Civil/ Engineering Physics/ 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 Life Sciences / any area of Biological Sciences / Mathematics /Physics. 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. | Valid GATE score / NET-JRF* |
| | | 5. 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. | Molecular Biology and Genetics Unit | 1. Master's Degree in Science or equivalent in Bioinformatics, Biotechnology, Chemical/Biological/Life Sciences. 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. | Valid GATE score / NET-JRF* |
| | | 4. Master's Degree in Engineering/Technology or equivalent in Biotechnology, Bioinformatics, or any Biology related area. | Qualification in one of the national exams mentioned above is desirable |
| 5. | New Chemistry Unit | 1. Master's Degree in Chemistry/Physics/Life Sciences. 2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science (preferred with Chemistry as | Valid GATE score / NET-JRF* |

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| | | a major or minor subject) | |
| 6. | Neuroscience Unit | <ol style="list-style-type: none"> 1. Master's Degree in Science or equivalent in Life/Biological Sciences, Neuroscience, Bioinformatics, Biotechnology, Pharmacy. 2. 4-year Bachelor of Science or equivalent in Life Sciences, Biotechnology, Bioinformatics, or any Biology-related area/ 3. MBBS /M.D. 4. Master's/4-year Bachelor's Degree in a non-Biology area with demonstrated interest in Neuroscience can also apply | Valid GATE/GPAT score / NET-JRF* |
| | | <ol style="list-style-type: none"> 5. Master's Degree in Engineering/Technology or equivalent in Biotechnology, Bioinformatics, or any Biology-related area. | Qualification in one of the national exams mentioned above is desirable |
| 7. | Theoretical Sciences Unit | <ol style="list-style-type: none"> 1. Master's Degree in Science or equivalent in Electronics, Chemical/Mathematical/Physical/Materials Sciences. 2. Bachelor's Degree in Engineering/Technology/4-year Bachelor of Science or equivalent in Aerospace/Engineering Physics/ Electrical/ Electronics /Metallurgy /Chemical/Mechanical Sciences. | Valid GATE score / NET-JRF* |
| | | <ol style="list-style-type: none"> 3. 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 |

Note:

1. The GATE/GPAT/NET JRF/other National entrance test passing certificate/score card should be valid as on 01 August 2026.

2. *NET JRF includes –Joint CSIR-UGC NET for JRF; UGC-NET for JRF; DBT JRF; ICMR JRF; INSPIRE. Applicants must be qualified for Junior Research Fellowship (JRF) to be eligible to apply through NET JRF mode.

3. Applicants applying through INSPIRE mode must be in possession of a valid provisional INSPIRE offer for consideration of their application at level II of the selection, issued by DST at the time of interview.

1.2 Eligibility for M.S.(Engg.) and M.S.(Research) programs

- M.S.(Engg.) is offered by Chemistry and Physics of Materials Unit (CPMU), Engineering Mechanics Unit (EMU), Theoretical Sciences Unit (TSU) and New Chemistry Unit (NCU).

The candidate should possess B.E/B.Tech/B.S. (4 year) in the areas listed in the above table (relevant to the Unit offering) with a valid GATE score / NET-JRF*.

- M.S.(Research) is offered by Evolutionary and Organismal Biology Unit (EOBU), Molecular Biology Unit (MBGU) and Neuroscience Unit.

The candidate should possess B.E/B.Tech/B.S. (4 year) /B.VSc./M.VSc. or MBBS/MD in the areas listed in Table 1 (relevant to the Unit offering) with a valid GATE score / NET-JRF*.

1.3 Selection procedure

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

2. Integrated B.S. (Research)- Ph.D Programme

2.1 Eligibility for Integrated B.S. (Research)- Ph.D Programme

Candidates with a 3 yrs B.Sc. or having completed 120 credits in a Bachelors programme with minimum 55 % marks in areas as listed in table 2 are eligible to apply.

Table 2

| Degree Programme | Qualifying degree and exams |
|---|--|
| Chemistry | <ul style="list-style-type: none">• Applicants possessing a minimum of 55% marks at the Bachelor's degree in any branch of Science with Chemistry as one of the major subject.• Candidates who have qualified the JAM 2026/CUET 2026 written test (for Master's) are strongly encouraged to apply |
| Physics | <ul style="list-style-type: none">• Students with minimum of 55% at Bachelor's degree in any branch of Science with Physics as one of the major subject.• Candidates who have qualified the JAM 2026/CUET 2026 written test (for Master's) are strongly encouraged to apply |
| Materials | <ul style="list-style-type: none">• Students with minimum of 55% at Bachelor's degree in any branch of Science with sound knowledge in the fundamentals of Physics, Chemistry and Mathematics.• Candidates who have qualified the JAM 2026/CUET 2026 (for Master's) are encouraged to apply |
| Biology (offered in following streams: Evolutionary and Organismal Biology, Molecular Biology and Genetics, Neuroscience) | <p><u>For Molecular Biology and Genetics and Neuroscience:</u></p> <ul style="list-style-type: none">• Applicants possessing a minimum of 55% marks at the Bachelor's degree in any branch of Science with Biology as one major subject.• Candidates who have qualified the JAM 2026/CUET 2026 written test (for Master's) are strongly encouraged to apply. <p><u>For Evolutionary and Organismal Biology:</u></p> <ul style="list-style-type: none">• Applicants possessing a minimum of 55% marks at the |

| | |
|-------------------------|--|
| | <p>Bachelor's degree in any branch of Science or equivalent degree.</p> <ul style="list-style-type: none"> • Candidates who have qualified the JAM 2026/CUET 2026 written test (for Master's) are strongly encouraged to apply. |
| Mechanics and Computing | <ul style="list-style-type: none"> • Applicants possessing a minimum of 55% marks at the Bachelor's degree Physics or Mathematics or Earth Science or BS-degree (having completed 120 credits in 3 years) in Chemical Engineering & related fields. |

2.2 Selection procedure

Candidates are short-listed for an interview based on their score in the national exam(s) like JAM 2026/CUET 2026 /JNCASR 2026 entrance exam (based on Unit criteria) and academic performance. The selection to the program is based on the performance in the interview.

2.3 Progression & Exit Pathways

| CGPA at End of BS (Research) | Eligibility Status | Outcome |
|---------------------------------|--|--|
| If ≥ 7.5 | Eligible for consideration for PhD progression | May apply for Ph.D registration, subject to interview, national eligibility (if applicable), and availability of suitable fellowship/vacancy |
| If 6.0 – 7.5 | Not eligible for direct PhD progression | Eligible to complete Master of Science (Research) degree |
| If below 6.0 | Does not meet progression requirement | May exit with applicable degree as per institutional norms |

3. MASTER OF SCIENCE (M.Sc.)

3.1 Eligibility

| Programme | Qualifying degree and exams |
|---|--|
| Chemistry | <ul style="list-style-type: none"> • Applicants possessing a minimum of 55% marks at the Bachelor's degree in any branch of Science with Chemistry as one of the major subject. |
| Inter-disciplinary Biosciences (with an option to specialize in Epigenetics and Diseases, Neurosciences, Human Disease Genetics, or Chemical Biology approach to understanding Disease Biology and | <ul style="list-style-type: none"> • Applicants possessing a minimum of 55% marks at the Bachelor's degree in any branch of Biological Science with Chemistry as a significant subject and who have qualified for the Joint Admissions Test for Masters (JAM) 2026 and/or equivalent examination are eligible to apply. |

3.2 Selection procedure:

Shortlisting for interviews for Master of Science (M.Sc.) in Chemistry will be done based on Joint Admission Test for Master's (JAM) 2026 score or a written examination conducted by JNCASR.

For M.Sc. Inter-disciplinary Biosciences, shortlisting will be based on the JAM 2026 score and will be called for an interview directly. The final selection is based on the performance in the in-person interview.

4. POST GRADUATE DIPLOMA IN MATERIALS SCIENCE (PGDMS)

Postgraduate Diploma in Materials Science (PGDMS) is a full-time two semester (one-year) programme offered by the International Centre for Materials Science (ICMS), JNCASR. The training will be imparted through projects and formal courses. A stipend will be paid as per norms.

4.1 Eligibility

Candidates who have completed their M.Sc. in any branch of Science are eligible to apply.

4.2 Selection procedure

The applications received by the deadline will be scrutinized by the Committee and eligible/meritorious candidates will be shortlisted for interviews that will be held in person. Only a limited number of candidates will be selected based on the recommendation of a selection committee.

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.1000/- and is non-refundable. The application fee is to be paid through CASHFREE payment gateway link provided in the online application portal. Payment Gateway charges must be borne by the candidates, wherever applicable. There will be no payment gateway charges for payment through UPI

IMPORTANT DATES

| | |
|--|-------------------|
| Website opens for on-line submission of applications | 10.03.2026 |
| Last date for submission of applications online (website closes at 23:59 hours on 10.04.2026) | 10.04.2026 |

Fellowships: All the regular students [except Integrated B.S. - Ph.D , Master of Science (M.Sc.) in Chemistry and Master of Science (M.Sc.) in Inter-disciplinary Biosciences] 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 <http://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/degree-programmes>

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.

Deputy Controller of Examinations