



INDIAN INSTITUTE OF SCIENCE BANGALORE

ADMISSIONS 2021

Applications are invited from eligible applicants for admissions to regular **(1) Research Programmes** [Ph D / M Tech (Research)] **(2) Course Programmes** [M Tech/M Des/M Mgt], **(3) Integrated Ph D Programmes**, and to **(4) Ph D under External Registration Programme**. The gist of the admission operations is given in the following paragraphs. Applicants are advised to go through the eligibility criteria, specialisations, areas of research, selection procedure and other details available at separate links on the IISc website (ie, → Admissions → Programmes).

Applicants possessing the educational qualification 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 dissertation, viva-voce etc.) by 31 July 2021, and can furnish the necessary certificates on and before 31 October, 2021 are eligible to apply.

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

1.1 Departments / Areas

Ph D in Science Faculty: Astronomy & Astrophysics, Biochemistry, Ecological Sciences, High Energy Physics, Inorganic & Physical Chemistry, Materials Research, Mathematics, Microbiology & Cell Biology, Molecular Biophysics, Molecular Reproduction, Development & Genetics, Neurosciences, Organic Chemistry, Physics, and Solid State & Structural Chemistry.

M Tech (Research) and Ph D in Engineering Faculty: Aerospace Engineering, Atmospheric & Oceanic Sciences, Chemical Engineering, Civil Engineering, Computer Science & Automation, Earth Sciences, Electrical Communication Engineering, Electrical Engineering, Electronic Systems Engineering, Instrumentation and Applied Physics, Management Studies (Ph D only), Materials Engineering, Mechanical Engineering, Nano Science and Engineering (Ph D only), Product Design & Manufacturing, Sustainable Technologies, and Computational & Data Sciences.

Ph D in Interdisciplinary areas: BioSystems Science and Engineering (offered by Centre for Biosystems Science and Engineering), Energy (offered by Interdisciplinary Centre for Energy Research), Mathematical Sciences (offered by IISc Mathematics Initiative), Nanoscience and Engineering (offered by the Centre for Nano Science and Engineering), Water Research (offered by Interdisciplinary Centre for Water Research), Cyber Physical Systems (offered by Robert Bosch Centre for Physical Systems), Climate Change (offered by Divecha Centre for Climate Change), Brain and Artificial Intelligence (offered by Brain, Computation, and Data Science group).

1.2 Eligibility : Applicants possessing a minimum of second class or equivalent in the following degrees as applicable to the individual departments / areas are eligible to apply:

Sl. No.	Qualifying degree	Qualifying in national entrance tests (Mode of entry)
1	Bachelor's degree in Engineering/ Technology/ 4-year Bachelor of Science	Valid GATE score / NET JRF* is mandatory
2	Master's degree in Science / Master's degree in Economics, Geography, Psychology, Management, Commerce, Operations Research, Computer Science/ Application	Valid GATE score / NET JRF is mandatory
3	Master's degree in Engineering / Technology / Architecture/ Agriculture / Pharmacy / Veterinary Sciences	Desirable to have valid GATE score / NET JRF/GPAT.
4	MS/MBA (post BE/B Tech/M Sc) – (applicable for the department of Management Studies/Ecological Sciences)	Desirable to have valid GATE score / NET JRF.
5	Graduates of any course with a minimum duration of FOUR years, from any Centrally Funded Technical Institution with a minimum CGPA of 8.5 out of 10 or its equivalent (for Ph D only) .	Desirable to have valid GATE score / NET JRF.
6	MBBS/MD	Desirable to have valid GATE score / NET JRF.
7	B Pharm	Valid GPAT score / JRF
8	B.E./B.Tech. equivalent examinations of Professional Societies, recognized by MoE/UPSC/AICTE (e.g AMIE by Institutions of Engineers). Note: Candidates enrolled upto 31.05.2013 with professional societies(e.g AMIE) recognized by MoE are only eligible to apply.	Valid GATE score / NET JRF is mandatory

Notes

1. The GATE/GPAT/NET JRF/other National entrance exam should be valid as on 02 August 2021.

2.* NET JRF includes – Joint CSIR-UGC NET for JRF; UGC-NET for JRF; DBT JRF; ICMR JRF; JEST; NBHM Screening Test 2021; INSPIRE . Applicant must be qualified for Junior Research fellowship(JRF) to be eligible to apply through NET JRF mode.

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

1.3 Selection procedure: Candidates are shortlisted for an online interview based on their performance in the National Entrance Test and/or the qualifying degree as detailed in the above table. The selection is based on the performance in the interview (in some of the departments, an aptitude test/preliminary interview will precede the interview/Final Interview).

2. COURSE PROGRAMMES [M Tech/M Des/M Mgt]

2.1 M Tech Programmes

2.1.1 Departments / Programmes	2.1.3 Selection procedure
Aerospace Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Instrumentation Systems, Materials Engineering, Mechanical Engineering, Signal Processing	Based on 100% GATE score
Electronic Systems Engineering, Microelectronics and VLSI Design	Based on 70% GATE score + 30% Career Analysis Marks (CAM)*
Climate Science, Earth Science, Electronics and Communication Engineering, Nano Science and Engineering, Quantum Technology, Robotics and Autonomous Systems	Based on 70% GATE score + 30% performance in online interview
Artificial Intelligence, Computer Science and Engineering	Based on 70% GATE score + 30% performance in online written test
Computational & Data Sciences, Smart Manufacturing	Based on 70% GATE score + 30% performance in online written test and interview

***CAM:** means figure of Merit based on 10th/12th/UG/PG marks/GPA

2.1.2 Eligibility

Applicants possessing a minimum of Second Class or equivalent in a bachelor's degree in an appropriate field of Engineering / Technology *or* *B.E./B.Tech./B.Arch. equivalent examinations of Professional Societies, recognized by MoE/UPSC/AICTE (e.g AMIE by Institutions of Engineers). *or* Master's degree in Physical Sciences, Mathematics, Statistics, Geology, Instrumentation, Electronics, Computer Applications as applicable to individual departments / programmes with a **valid GATE 2019 / 2020 / 2021 score** are eligible to apply.

Note: *Candidates enrolled up to 31.05.2013 with professional societies(e.g AMIE) recognized by MoE/UPSC/AICTE are only eligible to apply.

2.1.3 M Tech programmes schedule for online written test and online interview will be given on the IISc website under Important Dates.

2.1.4 Common Offer Acceptance Portal (COAP) provides a common platform for the candidate to make the most preferred choice for an admission into M.Tech Programmes through GATE in participating institutions (IISc & IITs). Admission offers for M Tech programmes of IISc for all the above disciplines and also for M.Des. (from GATE stream) will be made on COAP. Candidates will have to register on COAP and must update the COAP registration number on Applicant's Interface. Please visit the COAP 2021 website to register as per the instructions given therein.

2.1.5 Sponsored candidates from Defence, BARC, DRDO, ISRO, NAL, NTRO, KSRTC, BMTC, BDA, PWD, CPRI, ACIWRM:Water Resource Dept(WRD) GoK, Ministry of Water Research(MOWR) and Central water Commission(CWC) under DRIP Project, applying for a course programme under the sponsored category must compulsorily fill an online application form and submit the printed version, in duplicate, on or before 05 April 2021.

2.2. Master of Design (M Des) in Product Design and Engineering offered by the Centre for Product Design and Manufacturing

2.2.1 Eligibility

Applicants possessing a minimum of second class in Bachelor's degree in Engineering / Technology Design / Architecture with **valid GATE 2019/ 2020/ 2021** or **CEED 2021 score** as on 02 August 2021 are eligible to apply.

2.2.2 Selection procedure: Candidates will be shortlisted for online design aptitude test and an interview based on the GATE / CEED score as per the schedule given on the IISc website under Important Dates. Selection will be based on 70% GATE / CEED + 30% performance in online design aptitude test and interview. The announcement of the results and issue of admission offers for candidates based on GATE score will be through COAP, and for those based on CEED offer letters will be sent directly to the candidates by the Institute. Therefore, the candidates with GATE are required to register on COAP as detailed at section 2.1.4

2.3 Master of Management (M Mgt)

2.3.1 Eligibility

Applicants possessing a minimum of first class or equivalent in Bachelor's degree in Engineering / Technology or equivalent with a **valid GATE 2019/ 2020/ 2021** or **CAT 2020** or **GMAT scores** as on 02 August 2021 are eligible to apply.

2.3.2 Selection procedure :

Candidates will be short-listed for online interview based on GATE / CAT / GMAT scores as per the schedule given on the IISc website under Important Dates. Selection will be based on 15% (GATE / CAT / GMAT scores) + 15% UG performance + 30% Communication skill + 40% performance in online interview.

3. INTEGRATED Ph D PROGRAMMES

3.1 Eligibility

Disciplines		
	Educational qualification	Qualifying examination
Biological Sciences	A minimum of first class or equivalent in Bachelor's or an equivalent degree in Physical, Chemical or Biological Sciences (including Biotechnology, Pharmaceutical, Veterinary Sciences and Agricultural Sciences) or	JAM 2021 in Biotechnology(BT) or Chemistry (CY) or Mathematics (MA) or Physics (PH)
	A minimum of first class or equivalent in BE/B Tech degree.	Biotechnology (BT)
Chemical Sciences	A minimum of first class in B.Sc. or an equivalent degree with Chemistry as one of the main subjects with Mathematics at the PUC or Plus 2 level.	JAM 2021 in Chemistry (CY) or Physics (PH)
Mathematical Sciences	A minimum of first class or equivalent in B Sc or equivalent degree with Mathematics as one of the subjects or BE/B Tech or equivalent degree.	JAM 2021 in Mathematics (MA) or Mathematical Statistics (MS)
Physical Sciences	A minimum of first class or equivalent in B.Sc. or an equivalent degree with Physics as one of the main subjects or BE/B Tech or equivalent in any discipline.	JAM 2021 in Physics (PH) or JEST 2021

3.3.3 Selection procedure: Candidates will be short listed for online interview based on their JAM 2021 score for all the four disciplines, and those cleared JEST 2021 for Physical Sciences. Selection for (a) Chemical Sciences will be based on the performance in the interview; (b) Biological, Physical and Mathematical Sciences will be based on combined performance in the qualifying examination and online interview.

4. Ph D under External Registration Programme (ERP)

This programme is meant for (1) professionals from R&D Organizations / Industries and (2) Faculty members from Engineering, Agricultural, Pharmaceutical, Veterinary, Medical Colleges/ Universities, recognized by the appropriate government agencies.

4.1 Eligibility

The educational qualifications remain the same as for the regular candidates. Qualifying in one of the national entrance tests like CSIR-UGC NET for JRF, UGC-NET for JRF, DBT JRF, ICMR JRF, GATE, NBHM is desirable but not mandatory. Further, the candidate should have completed two years of full-time employment in the current organization after completion of degree. The candidates must be officially sponsored by their employing organizations and compulsorily fill an online application form and submit the printed version, in duplicate, on or before 05 April 2021.

4.2 Selection procedure : Based on the performance in an Online Interview.

HOW TO APPLY

Applications for all the programmes mentioned above are available **online**. To apply online visit → **Admissions** → **click Apply Online**.

APPLICATION FEE

Category	Application Fee*
General / OBC / EWS (economically weaker section)	Rs.800
SC / ST / PwD (person with disability)	Rs.400
ERP candidates (all categories)	Rs.2000
Sponsored candidates from organization mentioned above	Rs.800
*The fee is non-refundable; any bank or payment gateway service charges must be borne by the applicant.	

Payment options: Online payment through net-banking, debit card, visa/master credit card.

IMPORTANT DATES

Website opens for on-line submission of applications	22.02.2021
Last date for online submission of applications (website closes at 23:59 hours on 31.03.2021)	31.03.2021

Notes:

1. Reservation / concession / relaxations for SC/ST/OBC/EWS/Person with disability (PwD) and Kashmiri-Migrant (KM), Kashmiri Pandits/Kashmiri Hindu Families(Non Migrants) living in the Kashmir valley: As per Government of India regulations.
2. The minimum class prescribed in the qualifying examination is relaxed to a “Pass Class” for SC/ST candidates.
3. Applicant applying under EWS/OBC(as per central list of OBC available at category must ensure that they are in possession of valid EWS/OBC-NCL Certificates issued after 31 March 2021(i.e FY:2021-22) at the time of interview and admission.
4. Interviews wherever applicable will be conducted in online Mode.
5. **Scholarships:** All the regular students (except M.Mgt) who join the Institute are eligible for scholarship from MHRD / CSIR / UGC/ ICMR / DBT / DST/ AICTE / DAE (NBHM) depending upon their mode of entry. Scholarships from many Indian and multinational agencies, and business houses are also available for meritorious students.
6. The applicants are advised to visit the website and admission portal regularly for admission related updates. Applicant are also advised to visit the department website to which they are applying to familiarize themselves with complete admission related matters, areas of research, etc.

REGISTRAR