

# ADMISSIONS 2017

Applications are invited for admissions to **(i) Research Programmes** [Ph D / M Tech (Research)] **(ii) Course Programmes** [M Tech/M Des/M Mgt], **(iii) Ph D (Integrated) Programmes**, and **(iv) External Registration Programmes (Ph D)**. Eligibility criteria, specialisations, areas of research and other details are available at separate links on the IISc website (e.g., <http://www.iisc.ac.in> → Admissions → Research programme → Eligibility).

Candidates who are yet to complete their qualifying examinations, but expect to complete all the requirements for admission eligibility (including all examinations, project dissertation, viva-voce etc.) are also eligible to apply provided they can furnish the necessary certificates by October 31, 2017.

## **I. RESEARCH PROGRAMMES [Ph D/M Tech (Research)]**

**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, Management Studies, Materials Engineering, Mechanical Engineering, Nano Science and Engineering, Product Design & Manufacturing, Sustainable Technologies, and Computational and Data Sciences – (Computational Science Stream and Computer Data Systems Stream).

**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 National 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).

**Note:** Applicants can search for details of a particular department (such as eligibility, qualifications, areas of research) by entering short codes given within brackets in the “Departments offering Ph D/M Tech (Research) programme” (e.g., for Electrical Communication Engineering – enter (EC) in the search column provided under “Programmes in the Faculty of Science/Engineering” – the details pertaining to Electrical Communication Engineering only will appear on the screen.)

## **ELIGIBILITY**

Candidates possessing a minimum of second class in the following degrees are eligible to apply:

	<b>Qualifying degree</b>	<b>Qualifying in national entrance tests</b>
1	Bachelor's degree in Engineering/Technology/ Graduates of 4-year Bachelor of Science.	Valid GATE score* / NET JRF** is mandatory
2	Master's degree in Science / Master's degree in Economics, Geography, Social Work, 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.
4	MS/MBA (post BE/B Tech) – (applicable for the department of Management Studies/ Ecological Sciences)	Desirable to have valid GATE score / NET JRF.
5	Bachelor's degree or its equivalent in Engineering/ Technology from any <b>centrally funded technical institutions</b> , with a <b>minimum CGPA of 8.5 out of 10</b> or its equivalent either of seventh semester or at the end of eighth semester.	Desirable to have valid GATE score / NET JRF.
6	MBBS/MD	Desirable to have valid GATE score / NET JRF.

\*The GATE score should be valid as on August 1, 2017. Candidates securing the valid GATE score for the years 2015/2016/2017 may apply.

\*\* NET JRF includes - CSIR-UGC NET for JRF; UGC-NET for JRF; DBT JRF; ICMR JRF; JEST; NBHM Screening Test 2017; INSPIRE.

Short-listing is based either on national entrance tests performance or on the academic performance in the qualifying degree examination as per the table above. The final selection is based on the performance at an interview.

## **II COURSE PROGRAMMES [M Tech/M Des/M Mgt]**

**II (a).1. Master of Technology (M Tech)** in (1) Aerospace Engineering, (2) Chemical Engineering, (3) Civil Engineering, (4) Computer Science & Engineering, (5) Communication & Networks (6) Instrumentation, (7) Mechanical Engineering, (8) Materials Engineering, (9) Microelectronic Systems, (10) Signal Processing, (11) Systems Engineering, (12) Transportation & Infrastructure Engineering, (13) Climate Science, (14) Computational Data Science, (15) Earth Science, (16) Electronic Systems Engineering, (17) Electrical Engineering, and (18) Nano Science & Engineering.

### **ELIGIBILITY**

Candidates possessing a minimum of second class in a Bachelor's degree in an appropriate field of Engineering / Technology with a **valid GATE score** ; Master's degree in Science, Physical Sciences, Mathematics, Statistics, Geology, Instrumentation, Electronics *or* Master's in Computer Application with a **valid GATE score** are eligible to apply.

M Tech programmes for the departments with serial numbers 1 to 12, selection will be based on valid GATE 2015/ 2016/ 2017 score, whereas for the departments with serial numbers 13 to 18 short-listing will be done based on a valid GATE score which will be followed by an aptitude test and an interview.

**II (a).2. Sponsored candidates** from Defence, DRDO, BARC, ISRO, NAL, KSRTC, BMTC, BDA, PWD and CPRI 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 March 31, 2017.

**II (b). Master of Design (M Des)** in the Centre for Product Design and Manufacturing

**ELIGIBILITY**

Candidates possessing a minimum of second class in Bachelor's degree in Engineering / Technology / Design / Architecture with **valid GATE / CEED scores** are eligible to apply.

Short-listing will be done based on a valid GATE / CEED score followed by a Design Aptitude Test and interview. Selection will be based on the performance in the Design Aptitude Test and interview.

**II (c). Master of Management (M Mgt)**

**ELIGIBILITY**

Candidates possessing a minimum of first class in Bachelor's degree in Engineering / Technology or equivalent degree with a **valid GATE/CAT/GMAT scores** are eligible to apply.

Short-listing will be based on a valid GATE / CAT /GMAT scores followed by a group discussion and interview. Selection will be based on the performance in the group discussion and interview.

**III Ph D (Integrated) PROGRAMMES**

**in (1) Biological Sciences, (2) Chemical Sciences, (3) Physical Sciences, and (4) Mathematical Sciences.**

**ELIGIBILITY**

Candidates possessing a minimum of first class in B Sc or equivalent degree in Physical, Mathematical, Chemical, Biological Sciences (including Bachelor's degree in Pharmacy, Veterinary and Agricultural Sciences) **with valid JAM Score** are eligible to apply. Candidates who clear JEST 2017 are also eligible to apply for the Physical Sciences stream.

BE / B Tech degree holders who qualify in Mathematics/Mathematical Statistics paper in JAM are eligible to apply to Mathematical Sciences discipline, and those who appear in Biotechnology paper in JAM to Biological Sciences discipline.

Short-listing will be based on JAM 2017 score for all the four disciplines. Short-listing for Physical Sciences discipline will also be based on JEST 2017 score for those cleared JEST 2017. Selection will be based on performance in an interview.

**IV EXTERNAL REGISTRATION PROGRAMMES (ERP)**

**ERP is offered for working professionals from (1) R&D Organizations / Industries and (2) Faculty members from Engineering, Agricultural, Pharmaceutical, Veterinary, Medical Colleges/ Universities, recognized by the appropriate government agencies. The candidates must be officially sponsored by their employing organizations.** The departments will decide on whether they will admit ERP candidates with their Ph D programmes.

## **ELIGIBILITY**

The required qualifications remain the same as for the regular candidates except the requirement of qualifying in one of the national entrance tests. However, 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. Further, the candidate should have completed two years of full time employment in the present organization.

Selection will be based on performance in an interview to be conducted at IISc.

## **HOW TO APPLY**

Application for all the programmes mentioned above are available **online only**, hence candidates should apply online. Visit our website [www.iisc.ac.in](http://www.iisc.ac.in) for more details and register online for filling online application.

## **APPLICATION FEE**

<b>Category</b>	<b>Application Fee*</b>
General / OBC	Rs.800
SC / ST / PWD (person with disability)	Rs.400
ERP candidates (all categories)	Rs.2000
Sponsored candidates from Defence, DRDO, BARC, ISRO, NAL, KSRTC, BMTTC, BDA PWD and CPRI	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	<b>01.02.2017</b>
Last date for online submission of applications (website closes - 00:00 hours of 25.03.2017)	<b>24.03.2017</b>

**Reservation for OBC/SC/ST/Persons with disability (PWD) and Kashmiri-Migrant (KM) candidates:** As per the Government of India regulations. Grade/class of qualifying examination is relaxed to a “pass class” for SC/ST candidates.

**Scholarships:** All the regular students (except M.Mgt) who join the Institute are eligible for scholarship from CSIR/ UGC/ ICMR/ DBT/AICTE/ DAE (NBHM) depending upon their mode of entry. IISc provides MHRD scholarship for selected students whose mode of entry is not through any of the above agencies. Scholarships from many Indian and multinational agencies, and business houses are also available for meritorious students.

It is desirable that the applicants consult the department websites to obtain further information regarding the research activities of the individual departments/centres/units.

**REGISTRAR**