



Government of India, Department of Space

INDIAN INSTITUTE OF SPACE SCIENCE AND TECHNOLOGY

[Declared as Deemed to be University under Sec.3 of the UGC Act 1956]

Valiamala PO, Thiruvananthapuram – 695547

**ADMISSION NOTIFICATION FOR M TECH. AND MASTER OF SCIENCE PROGRAMMES
FOR THE ACADEMIC YEAR 2018-2019**

Indian Institute of Space Science and Technology (IIST) has been established in the year 2007 as an autonomous academic institution under Department of Space, Government of India. IIST is committed to (i) attract talented students,(ii) putting in place a system which ensures high academic standards, (iii) actively encourage innovative research in areas of relevance to space science, space technology and other related areas.

Applications are invited for admission to the following Post Graduate programmes of the Institute for the academic year 2018-2019. The total number of seats in each programme is **6 (Six)**:

Programme Code	Department	Name of the Programme and categories	Educational Qualification
M.Tech. PROGRAMME			
MAE01	Aerospace Engineering	Thermal and Propulsion	(i) B.Tech. or equivalent degree in Aerospace Engineering, Aeronautical Engineering, Mechanical Engineering, Chemical Engineering
MAE02		Aerodynamics and Flight Mechanics	(ii) A valid GATE Score in Aerospace Engineering or Mechanical Engineering or Chemical Engineering or XE papers
MAE03		Structures and Design	(i) B.Tech or equivalent degree in Aerospace Engineering, Aeronautical Engineering, Mechanical Engineering, Civil Engineering or Production Engineering (ii) A valid GATE Score in Aerospace Engineering or Mechanical Engineering or Civil Engineering or XE papers
MAV01	Avionics	RF and Microwave Engineering	(i) BE/B.Tech or equivalent degree in Avionics/Electronics and Communication/ Electronics Engineering/ Electrical Engineering (ii) A valid GATE Score in Electronics and Communication Engineering.
MAV02		Digital Signal Processing	(i) BE/B.Tech or equivalent degree in Avionics/Electronics and Communication/ Telecommunication/Electrical and Electronics Engineering/Electrical Engineering (ii) A valid GATE Score in Electronics and Communication Engineering.

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MAV03	Avionics	VLSI and Microsystems	(i) BE/B.Tech or equivalent degree in Avionics/Electronics and Communication/ Electrical Engineering (ii) A valid GATE score in Electronics and Communication Engineering.
MAV04		Control Systems	(i) BE/B.Tech or equivalent degree in Avionics/Electrical and Electronics / Electronics and Communication/ Electronics and Instrumentation / Instrumentation and Control Engineering/Electronics and Electrical Engineering. (ii) A valid GATE score in Electronics and Communication Engineering/ Electrical Engineering.
MAV05		Power Electronics	(i) BE/B.Tech or equivalent degree in Avionics/ Electrical Engineering/Electrical and Electronics Engineering / Electronics and Communication Engineering / Electronics and Instrumentation Engineering / Instrumentation and Control Engineering/Electronics and Electrical Engineering. (ii) A valid GATE score in Electrical Engineering.
MMA01	Mathematics	Machine Learning and Computing	(i) M.Sc. in Mathematics/ Statistics/ Computer Science/ Mathematics and Computing OR (ii) BE./B.Tech. or equivalent degree in Avionics/ Computer Science and Engineering/ Electronics and Communication Engineering/ Electrical Engineering/Electrical and Electronics Engineering/Information Technology (iii) A valid GATE/JEST Score in Mathematics/ Statistics/ Computer Science and Information Technology / Electronics and Communication Engineering/ Electrical Engineering.
MCH01	Chemistry	Materials Science and Technology	(i) BE/B.Tech or equivalent degree in Polymer Science and Technology/ Chemical Engineering/ Rubber Technology/ Metallurgical Engineering/Materials Science/Materials Science and Metallurgical Engineering/ Mechanical Engineering/ Production Engineering/ Production and Industrial Engineering OR M.Sc/M.S in Chemistry (all branches)/Physics/Material Science/ Nanoscience and Technology (ii) A valid GATE score in Engineering Sciences/Chemical Engineering/ Metallurgical Engineering/ Mechanical Engineering/ Production and Industrial Engineering/ Chemistry/Physics.

Programme Code	Department	Name of the Programme and categories	Educational Qualification
MPH01	Physics	Optical Engineering	(i) BE/B.Tech in Aerospace Engineering/Avionics/ Electronics/Electrical Engineering/Electronics and Communication Engineering/ Mechanical Engineering/ Engineering Physics/Physical Sciences or an equivalent degree OR M.Sc, MS, BS-MS in Physics/ Applied Physics or an equivalent degree. (ii) A valid GATE score in Electronics and Communication/ Electrical/ Mechanical Engineering/Physics.
MPH02		Solid State Technology	(i) BE/B.Tech in Avionics/ Electronics/ Electrical Engineering/ Electronics and Communication Engineering/ Engineering Physics/Physical Sciences or an equivalent degree OR M.Sc, MS, BS-MS in Physics/ Applied Physics or an equivalent degree. (ii) A valid GATE/JEST score in Physics.
MES01	Earth and Space Sciences	Earth System Science	(i) BE/B.Tech or equivalent degree in Aerospace Engineering, Aeronautical Engineering, Mechanical Engineering, Chemical Engineering, Civil Engineering, Avionics, Electronics and Communication Engineering, Electrical Engineering, Electronics and Electrical Engineering, Electronics and Instrumentation Engineering, Instrumentation and Control Engineering, Physical Sciences, Agricultural Engineering, Engineering Science , Instrumentation Engineering, Engineering Physics. OR M.Sc. in Physics/Mathematics. (ii) A valid GATE score in Aerospace Engineering/ Civil Engineering/ Chemical Engineering/ Electronics and Communication Engineering/ Electrical Engineering/ Mechanical Engineering/ Engineering Sciences/ Agriculture Engineering/ Instrumentation Engineering/ Physics/ Mathematics. Note: <i>Students with M. Sc. degree must have studied Physics, Mathematics at the B. Sc. level. Students having B. Tech or BE in other branches of engineering will be considered only if they have appropriate experience in related areas of Atmospheric and Oceanic Sciences/ Meteorology/ Geology/ Remote Sensing etc</i>

Programme Code	Department	Name of the Programme and categories	Educational Qualification
MES02	Earth and Space Sciences	Geoinformatics	(i) BE/B.Tech or equivalent degree in Computer Science Engineering/ Information Technology/ Electrical and Electronics Engineering/Electronics and Communication Engineering/ Civil/Avionics/Physical Sciences/ Engineering Sciences/ Geoinformatics/ Agricultural Engineering OR M.Sc in Mathematics/Physics (ii) A valid GATE score in Computer Science and Information Technology/Electrical Engineering/ Electronics and Communication Engineering/Civil Engineering/Engineering Sciences/Agricultural Engineering /Mathematics/Physics.
MASTER OF SCIENCE PROGRAMME			
MES03	Earth and Space Sciences	Astronomy and Astrophysics	(i) BE/B.Tech or equivalent degree in Aerospace Engineering, Aeronautical Engineering, Mechanical Engineering, Chemical Engineering, Civil Engineering, Avionics, Electronics and Communication Engineering, Electrical Engineering, Electronics and Electrical Engineering, Electrical and Electronics Engineering, Electronics and Instrumentation Engineering, Instrumentation and Control Engineering, Physical Sciences, Engineering Science, Instrumentation Engineering, Engineering Physics Electronics Engineering. OR Master of Science / M.Sc. in Physics, Space Physics, Space Science, Space Science and Technology (ii) A valid score in any one of the following: a. GATE in any one of these subjects - Physics/Electronics and Communication Engineering/ Electrical Engineering/ Engineering Sciences. b. Joint Entrance Screening Test (JEST) in Physics. c. UGC NET (Physical Sciences)

Note: If the student is eligible and wishes to apply for more than one Department, he/she has to submit the application fee for the respective Departments separately.

- Age limit: 32 years as on 30.04.2018.** Age relaxation is applicable to SC/ST/Persons with disability (PD) category as per Government of India Orders. **No age relaxation for OBC and women candidates**
- Educational Qualification & Eligibility:** B.E/B.Tech/Master of Science or equivalent degree with a minimum of 60% marks or CGPA 6.5 out of 10 for General & OBC category and minimum of 55% marks or CGPA 6.0 out of 10 for SC/ST&PD category . A valid score in GATE/JEST/UGC NET in relevant area as the case may be, as specified above is essential.

General Conditions:

1. Only Indian citizens are eligible to apply.
2. Applications received online only will be considered for processing under any circumstances.
3. The applicants will not be allowed to make any changes in the profile registration once submitted. Hence utmost care should be taken by the candidate while filling the profile.
4. The applicants who wish to apply for more than one programme shall exercise their order of preference/option of Post Graduate Programmes, at the time of applying itself. The option once exercised shall be final.
5. SC/ST/OBC (Non-Creamy Layer)/Persons with Disabilities (PD) candidates shall upload the relevant certificate before the prescribed date.
6. Applications in respect of SC/ST/OBC/PD will be processed only after the receipt of the above proof online. In other words, non-submission of proof online will lead to rejection of application.
7. Reservation of seats for SC/ST/OBC/PD is applicable as per Govt. of India Orders.
8. In case of ST seats falling vacant, it will be filled by SC category candidates.
9. Application fee is Rs.600/- per Department (for SC, ST, PD and women candidates Rs.300/- per Department).
10. **The application fee shall be paid after two days of registration through “SBI Collect” only.**
11. **The application fee is non-refundable.**
12. **For the programme offered by Departments of Aerospace Engineering and Avionics, candidates will be shortlisted based on the valid GATE score. The shortlisted Rank List will be published and the candidate has to remit the semester fee through online (SBI Collect) within the stipulated date.**
13. **In case the Candidate in the shortlisted Rank List fails to remit the fee within the stipulated date, then the seat will be allotted to the next candidate in the shortlisted Rank List.**
14. If the candidate wishes to withdraw before the commencement of class, he/she may send a request to academics@iist.ac.in, the fee will be refunded as per UGC Guidelines.
15. The applicants who are shortlisted for M. Tech/Master of Science programmes for Departments of Chemistry, Earth and Space Sciences, Mathematics & Physics are required to appear for a written test/Interview as the case may be.
16. No TA/DA is admissible for written test/interview. The shortlisted students are advised to make their own arrangements for travelling and lodging for attending written test/interview in Thiruvananthapuram.
17. List of shortlisted students for written test/interview for Departments of Chemistry, Earth and Space Sciences, Mathematics & Physics, will be displayed in IIST website. Shortlisted students may download call letter from the website.
18. **Students who are completing their qualifying degree programme in 2017-18 will have to provide the consolidated mark list/mark lists of all semesters along with Provisional/Degree Certificate shall be produced on or before October 31, 2018. Till the date of submission of Degree Certificate, the admission will be treated as provisional and such students who have not submitted the Degree Certificate will not be eligible for scholarship. Also those students who have not submitted the Degree certificate before 1700hrs on October 31, 2018 shall be disqualified and such students shall not be eligible to continue their studies at IIST further. On submission of the certificate on or before October 31, 2018, the scholarship will be paid with effect from the date of commencement of classes or from the date of admission to the programme, whichever is later.**
19. **Students who have completed their qualifying degree prior to 2017-18 will have to produce all the certificates and TC in original at the time of admission.**
20. M Tech students with valid GATE score will be receiving scholarship through AICTE.
21. Students selected for Master of Science programme, the scholarship will be paid by IIST.
22. Candidates who are employed in Government/Semi Government/PSUs/Autonomous Bodies need to produce a “No Objection Certificate(NOC)” at the time of Interview
23. The M. Tech/Master of Science students will be required to assist the Departments in academic activities as and when required.
24. Students who are selected for the admission have to join the course immediately. Classes for these students will tentatively commence on July 23, 2018.
25. In case of existence of vacant seats in PG programme a “Spot Admission” will be held at IIST. The exact date for Spot Admission will be notified in our website on 1st August 2018.

IMPORTANT DATES		
Sl No.	Event	Date
1	Opening of IIST website for online submission of applications	April 13, 2018- 1600 hrs (Friday)
2	Closing of IIST website for online submission of applications	April 30, 2018- 2359 hrs (Monday)
3	Last date for payment of application fee	May 02, 2018 (Wednesday)
4	Display of shortlisted candidates for Test/Interview for Departments of Chemistry, Earth and Space Sciences, Mathematics & Physics	May 11, 2018 (Friday)
5	Display of shortlisted Rank List for Departments of Aerospace Engineering & Avionics	
6	Last Date of Remitting fee for Departments of Aerospace Engineering & Avionics	May 16, 2018 (Wednesday)*
7	Test/Interview for candidates for Departments of Chemistry, Earth and Space Sciences, Mathematics & Physics	June 04-05, 2018
8	Display of Provisionally selected candidates for Departments of Chemistry, Earth and Space Sciences, Mathematics & Physics	June 08, 2018 (Friday)
9	Last Date of Remitting fee for Departments of Chemistry, Earth and Space Sciences, Mathematics & Physics	June 13, 2018 (Wednesday)*
10	Reporting date at the Institution	July 21, 2018 (Saturday)
11	Classes begins for all PG Programmes	July 23, 2018 (Monday)
12	PG Admission Closes	August 06, 2018 (Monday)

* If vacancy exists the Wait List will be updated on every Friday at 5 pm. and the candidate has to remit the stipulated fees on or before by subsequent Wednesday. (For eg: 18/05/2018 & 23/05/2018, 25/05/2018 & 30/05/2018)

If Candidate's highest preference is allotted and if he/she fails to remit the fees then his/her candidature will be cancelled.

If Candidate is allotted one of his/her lower preferences and he/she does not remit the fees, then also the candidate is eligible for being considered for his/her higher preference.