



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 2019-2020**

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, space applications and other related basic sciences areas.

Applications are invited for admission to the following Post Graduate programmes of the Institute for the academic year 2019-2020. The total number of seats in each programme is Six. As per the recent government decision regarding reservation, supernumerary 10% seats (i.e., 9 PG seats) from 90 seats are additionally offered for EWS candidates.

Programme Code	Department	Name of the Branch	Educational Qualification
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) B.E./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) B.E./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.

Programme Code	Department	Name of the Branch	Educational Qualification
MAV03	Avionics	VLSI and Microsystems	(i) B.E./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) B.E./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/ Instrumentation and Control /Electrical Engineering.
MAV05		Power Electronics	(i) B.E./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) B.E./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 Score in Mathematics/ Statistics/ Computer Science and Information Technology / Electronics and Communication Engineering/ Electrical Engineering.
MCH01	Chemistry	Materials Science and Technology	(i) B.E./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 Branch	Educational Qualification
MPH01	Physics	Optical Engineering	<p>(i) B.E./B.Tech.or equivalent degree in Electronics/Electrical Engineering/Electronics and Communication Engineering/ Mechanical Engineering/ Engineering Physics OR M.Sc. in Physics/ Applied Physics/ M.S. (Integrated) Physics.</p> <p>(ii) A valid GATE score in Electronics and Communication/ Electrical/ Mechanical Engineering/Physics.</p>
MPH02		Solid State Technology	<p>(i) B.E./B.Tech.or equivalent degree in Electronics/ Electrical Engineering/ Electronics and Communication Engineering/ Engineering Physics. OR M.Sc. in Physics/ Applied Physics/ M.S. (Integrated) Physics.</p> <p>(ii) A valid GATE score in Electronics and Communication Engineering/Electrical Engineering/ Physics.</p>
MES01	Earth and Space Sciences	Earth System Science	<p>(i) B.E./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.</p> <p>(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.</p> <p><i>Note: 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></p>

Programme Code	Department	Name of the Branch	Educational Qualification
MES02	Earth and Space Sciences	Geoinformatics	<p>(i) B.E./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</p> <p>OR</p> <p>M.Sc in Mathematics/Physics</p> <p>(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.</p>
MES03	Earth and Space Sciences	Master of Science in Astronomy and Astrophysics	<p>(i) B.E./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.</p> <p>OR</p> <p>Master of Science / M.Sc. in Physics, Space Physics, Space Science, Space Science and Technology</p> <p>(ii) A valid score in any one of the following:</p> <p>a. GATE in any one of these subjects - Physics/Electronics and Communication Engineering/ Electrical Engineering/ Engineering Sciences.</p> <p>b. Joint Entrance Screening Test (JEST) in Physics.</p> <p>c. JRF(NET)CSIR / JRF(NET)UGC /JRF(CSIR) / NET LECTURESHIP in Physical Sciences</p>

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 30.04.2019.** Age relaxation is applicable to SC/ST/Persons with disability (PD) category as per Government of India Orders. **No age relaxation for OBC/women and EWS candidates.**
- Educational Qualification & Eligibility:** B.E./B.Tech./Master of Science or equivalent degree with a minimum of 60% marks or CGPA 6.50 out of 10 for General/EWS & OBC category and minimum of 55% marks or CGPA 6.00 out of 10 for SC/ST&PD category . A valid score in GATE/JEST/UGC NET/CSIR-NET in relevant area as the case may be, as specified above is essential.
- When CGPA & equivalent percentage are both provided in the mark list/certificate, CGPA alone would be considered for eligibility.

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 of Post Graduate Programmes, at the time of applying itself. The preference once exercised shall be final.
5. SC/ST/OBC (Non-Creamy Layer)/EWS/Persons with Disabilities (PD) candidates shall upload the relevant certificates as per the format available in admission portal before the last date of online application. **OBC-NCL certificates issued after 01/04/2018 only will be accepted.**
6. Applications of SC/ST/OBC/EWS/PD candidates will be processed only after the receipt of the relevant proof online. In other words, non-submission of proof online will lead to rejection of application.
7. Reservation of seats for SC/ST/OBC/EWS/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 next day after registration through “SBI Collect” only. Last date of payment of Application fees is on May 01, 2019**
- 11. The application fee is non-refundable.**
- 12. For the M.Tech. Programmes offered by Departments of Aerospace Engineering, Avionics, Mathematics and M.Tech. in Geoinformatics programme offered by Department of Earth & Space Science, candidates will be shortlisted based only on the valid GATE score. An admission list would be prepared based on the rank list & available number of vacancies & preference given by the candidate.**
13. The shortlist will be prepared based on GATE score for the other M. Tech./Master of Science programmes offered by Departments of Chemistry, Earth and Space Sciences & Physics. The applicants who are shortlisted for M.Tech./Master of Science programmes for above mentioned programmes are required to appear for an Interview. List of shortlisted candidates for interview for Departments of Chemistry, Earth and Space Sciences & Physics, will be displayed in the IIST website on May 14, 2019. Shortlisted candidates may download their call letter from the website.
- 14. Interview will be conducted in Five centres namely New Delhi, Kolkata, Ahmedabad, Hyderabad and Thiruvananthapuram. Candidates have to give their first two preferences for the centre of interview during the time of profile registration. Candidate will be allotted to the centre based on their preference. No TA/DA is admissible for attending interview.** The shortlisted candidates are advised to make their own arrangements for travelling and lodging for attending interview in the centre of their choice.

15. **Interview will be conducted through video conferencing mode for Four Centres namely New Delhi, Kolkata, Ahmedabad & Hyderabad.** Personal Interview will be held at IIST, for candidates who are choosing Thiruvananthapuram as their centre. A provisional admission list will be prepared based on the GATE score, interview test score, number of vacancies & preferences given by the candidate.
16. After the provisional admission list is published, the candidate has to remit their first semester fee through online (**SBI Collect**) within the stipulated date.
17. In case the candidate in the provisional admission list fails to remit the fee within the stipulated date, the seat will be allotted to the next candidate in the rank/wait list.
18. **All candidates who are in the rank list should confirm their willingness to be considered for further allotments in the web portal by choosing "Revalidate and proceed" option on specified dates as given in Table 2.**
19. **The candidates who do not confirm their willingness using the revalidate option on the specified dates will not be considered for any future vacancies or for any change in the branch of higher preference. (However, their existing allotment would be retained if they pay the fees.)**
20. The order of preference given by the candidate cannot be changed once the application is submitted. However, the candidate can withdraw from the allotted programmes in which they appear in the Allotment list/waiting list.
21. If the candidate with a confirmed seat, after paying fees, wishes to withdraw before the commencement of the class, he/she may send a request to academics@iist.ac.in. The fee will be refunded as per UGC Guidelines and for details refer to Table 3 (withdrawal of confirmed seats after remitting the fees.)
22. Students who are completing their qualifying degree programme in 2018-19 will have to provide the consolidated mark list/mark lists of all semesters along with Provisional/Degree Certificate on or before October 31, 2019. 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/verification certificate/Graduation certificate will not be eligible for scholarship. Also those students who have not submitted the Degree certificate/Transfer certificate/Provisional certificate before 1700hrs on October 31, 2019 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, 2019, 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 earlier.
23. Students who have completed their qualifying degree prior to and for 2018-19 will have to produce all the certificates and TC in original at the time of admission.
24. **M Tech students with valid GATE score will be receiving scholarship through AICTE.**
25. Students selected for Master of Science programme, the scholarship will be paid by IIST or respective CSIR/UGC fellowship.
26. Candidates who are employed in Government/Semi Government/PSUs/Autonomous Bodies need to produce a "No Objection Certificate (NOC)" at the time of interview.

27. The M.Tech./Master of Science students will be required to assist the Departments in academic activities as and when required.
28. Students who are selected for the admission have to join the course on July 20, 2019. Classes for these students will tentatively commence on July 22, 2019.
29. 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 IIST website on 1st August 2019.

Table 1: IMPORTANT DATES		
SI No.	Event	Date
1	Opening of IIST website for online submission of applications	April 12, 2019 - 1600 hrs (Friday)
2	Closing of IIST website for online submission of applications	April 30, 2019 - 2359 hrs (Tuesday)
3	Last date for payment of application fee	May 01, 2019 – 2345hrs (Wednesday)
4	Display of shortlisted candidates for interview for Departments of Chemistry, Physics & Earth and Space Sciences except M.Tech. in Geoinformatics	May 14, 2019 (Tuesday)
5	Display of shortlisted rank list for PG programmes in Departments of Aerospace Engineering, Avionics & Mathematics and M.Tech. in Geoinformatics	
6	Interview for candidates for Departments of Chemistry, Physics & Earth and Space Sciences except M.Tech. in Geoinformatics	May 27 -31, 2019
7	Revalidation of Candidature in PG programmes in Aerospace Engineering, Avionics and Mathematics Departments and M.Tech. in Geoinformatics	June 07 -10, 2019
8	Display of short listed rank list for Departments of Chemistry, Physics & Earth and Space Sciences except M.Tech. in Geoinformatics	June 11, 2019 (Tuesday)
9	Revalidation of Candidature in all PG Programme	July 12-15, 2019
10	Reporting date at the Institution	July 20, 2019 (Saturday)
11	Classes begins for all PG Programmes	July 22, 2019 (Monday)
12	PG Admission closes	August 09, 2019 (Friday)

Instructions to Candidates

1. Online application can be made through <http://admission.iist.ac.in>. Read instructions thoroughly before filling up of the application. To complete the application process, please check all the boxes corresponding to the declarations. A login ID and password will be sent through online for the successfully completed applicants.
2. For course registration and setting the preference for various program, relogin using the login ID. Select courses and submit, a fee registration number will be generated. With the profile registration number and

the fee registration number you can make application fee payment on the next day of submitting the application only through "SBI Collect".

3. Short listed candidates list will be published on 14.05.2019 (For PG programmes in Aerospace Engineering, Avionics and Mathematics Departments and M.Tech. in Geoinformatics) and on 11.06.2019 (For PG programmes with interview). Using the login ID and password, the candidate can confirm their seats through online web portal. First semester fee has to be remitted through "SBI Collect" to confirm the seat.
4. **A fresh allotment list will be prepared and updated in IIST website every Tuesday and Friday at 1700 hrs, if vacancies exist. The candidate in the allotment list has to remit the stipulated fees on or before the subsequent Friday and Monday 0900hrs. (For eg: 14/05/2019 & 17/05/2019, 17/05/2019 & 20/06/2019) to confirm their candidature to the program and branch allotted.**
5. **If the candidate's highest preference is allotted and if he/she fails to remit the fees in the stipulated time, then his/her candidature will be cancelled.**
6. **If candidate is allotted one of his/her lower preferences and he/she does not remit the fees, then the candidate will be eligible for being considered for his/her higher preference provided he/she chooses "Revalidate and Proceed" option as per Table 2.**
7. **Candidates can login to their web portal and withdraw from the allotted programmes in which they appear in the allotment list/wait list. The order of preferences cannot be altered.**
8. **All candidates would be considered for allotments in the subsequent vacancy filling rounds only if the candidate chooses "REVALIDATE and PROCEED "option in the web portal on specified dates given in Table 2.**

Table 2: REVALIDATION DATES

PG programmes in Departments of Avionics, Aerospace Engineering, Mathematics & M.Tech. in Geoinformatics	07.06.2019 to 10.06.2019
All PG Programmes	12.07.2019 to 15.07.2019

Note: The candidates who have paid the fees, who wish to withdraw from the program should do so as per the details given in the Table 3 below

Table 3: WITHDRAWAL FROM PROGRAMME AFTER REMITTING THE FEES

PG Programmes	Cancellation charges	
Departments of Avionics, Aerospace Engineering, Mathematics & M.Tech. in Geoinformatics	On or before 06/06/2019 Rs. 500/-	After 06/06/2019 Rs. 1000/- (But before commencement of classes)
Other PG programmes	On or before 11/07/2019 Rs. 500/-	After 11/07/2019 Rs. 1000/- (But before commencement of classes)