



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 2020-2021
 (Only for DoS/ISRO employees)**

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 2020-2021. The total number of seats in each programme is **4 (Four) (for ISRO/DoS employees)**

The Institute is offering

- Two years Full time PG programme:** ISRO/DoS employees shall avail 24 months study leave to pursue and complete PG programmes with stay at IIST
- PG Programmes leading to Ph.D Programmes:** Those Candidates with CGPA 8.00 and Above, at the end of first year may register for Ph.D programmes and complete the required course work for Ph.D programme during the second year project period. ISRO/DoS sponsored employees shall avail 24 months leave.
- PG Programmes converted to Part Time after course work completion:** ISRO/DoS sponsored employees shall avail 10 months / (2 Semester) study leave and complete all the first year courses. Project work can be continued in their respective ISRO centres in a part-time mode and project report should be submitted after 2 year works/3 year after enrollment.

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	
MAE03		Structures and Design	
MAV01	Avionics	RF and Microwave Engineering	(i) BE/B.Tech or equivalent degree in Avionics/Electronics and Communication/ Electronics Engineering/ Electrical Engineering.
MAV02		Digital Signal Processing	(i) BE/B. Tech or equivalent degree in Avionics/Electronics and Communication/ Telecommunication/Electrical and Electronics Engineering/Electrical Engineering/Physical Sciences (Revised on 26.02.2020)
MAV03		VLSI and Microsystems	(i) BE/B.Tech or equivalent degree in Avionics/Electronics and Communication/ Electrical Engineering

Programme Code	Department	Name of the Programme and categories	Educational Qualification
MAV04	Avionics	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/Physical Sciences. (Revised on 26.02.2020)
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.
MMA01	Mathematics	Machine Learning and Computing	(i) M.Sc. in Mathematics/ Statistics/ Computer Science/ Mathematics and Computing/ B.Tech in Physical Sciences 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
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.
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.
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.

Programme Code	Department	Name of the Programme and categories	Educational Qualification
MES01	Earth and Space Sciences	Earth System Science	<p>(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.</p> <p>OR</p> <p>M.Sc. in 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>
MES02	Earth and Space Sciences	Geoinformatics	<p>(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</p> <p>OR</p> <p>M.Sc in Mathematics/Physics</p>
MASTER OF SCIENCE PROGRAMME			
MES03	Earth and Space Sciences	Astronomy and Astrophysics	<p>(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.</p> <p>OR</p> <p>Master of Science / M.Sc. in Physics, Space Physics, Space Science, Space Science and Technology.</p>

Note: If the candidate is eligible and wishes to apply for more than one area, he/she has to submit the option for the respective areas in the prescribed space.

1. **Age limit: 45 years as on March 02, 2020.**
2. **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 & OBC category and minimum of 55% marks or CGPA 6.00 out of 10 for SC/ST& PD category
3. **You may apply for only two preferences in or across the departments.**
4. In addition to the educational qualifications listed below an ISRO/DOS employees having a B.E or B.Tech or Master's degree in any area, can apply to a PG programme provided they have a minimum of three years' work experience in that area. **Those candidates have to upload a note (Maximum 3 pages) on their work experience (Hard copy to be routed through proper channel along with the application) (Revised as on 28.02.2020)**

Note:- The applicants who are shortlisted for M. Tech/Master of Science programmes are required to appear for a Interview. List of shortlisted candidates will be intimated to the concerned authorities of DOS/ISRO Units/Centres. Application forms received after the last date will not be considered under any circumstances. **The filled in online application form through proper channel may be sent to Deputy Registrar(Academics), Indian Institute of Space Science and Technology, Valiamala PO, Thiruvananthapuram- 695 547 along with the self attested copies of certificates/testimonials on or before March 17, 2020**

IMPORTANT DATES Revised on 26.02.2020		
Sl. No.	Event	Date
1	Opening of IIST website for online submission of applications	February 10, 2020 - 1600 hrs (Monday)
2	Closing of IIST website for online submission of applications	March 12, 2020 - 2359 hrs (Thursday)
3	Last date for submission of approved hard copy	March 17, 2020 (Tuesday)
4	Display of shortlisted candidates for Test/Interview	March 20, 2020 (Friday)
5	Interview*	March 23 & 24, 2020 (Monday-Tuesday)
6	Display of Provisionally selected candidates	March 27, 2020 (Friday)
7	Reporting date at the Institution	July 18, 2020 (Saturday)
8	Classes begins for M. Tech/Master of Science	July 20, 2020 (Monday)

Note: *Candidates from Thiruvananthapuram based ISRO/DoS centres shall appear for the interview in person at IIST, Valiamala, where as, other ISRO/DoS candidates can appear through "Skype" for the interview in the given slot.