

LIST OF POST-GRADUATE PROGRAMS FOR ACADEMIC YEAR 2018-19

1. LIST OF M TECH PROGRAMS FOR ACADEMIC YEAR 2018-19

Sr. No.	Programme Title (M.Tech)	Specialisations	Eligibility [Minimum Qualification with 55% of marks or 5.5 CGPA (on a 10-point scale) in the qualifying examination] and valid <u>GATE Score</u> .	Total No. of Seats
1	Aerospace Engineering	Guided Missiles	B.E./B. Tech. degree in Aerospace, Aeronautical or AeSI/ Mechanical/ Chemical/ Electrical/ Electronics/ Electronics and Communication/ Instrumentation from recognized university/AMIE or as per DIAT norms.	50
		Air Armament (Only for MoD sponsored)	Bachelor's Degree in Aeronautical/Mechanical Engineering of a recognized Institute/University. or as per DIAT norms.	
		UAVs	B.E./B.Tech. degree in Aerospace, Aeronautical or AeSI/ Mechanical/ Electronics/ Electrical/ Electronics and Communication / Instrumentation from recognized university/ AMIE. or as per DIAT norms	
2	Mechanical Engineering	Marine	Bachelor's Degree in Mechanical / Marine Engg of a recognized Institute / University	75
		Armament and Combat Vehicles (ACV)	B.E/B. Tech degree in Mechanical / Production / Automobile Engg disciplines from recognized University.	
		Robotics * (Interdisciplinary)	B.E/B. Tech degree in Mechanical / Electronics / Electrical / Computer Science & Engg/ Aerospace Engg disciplines from recognized University	
		Mechanical System Design	B.E/B. Tech degree in Mechanical / Production Engineering disciplines from recognized University	
3	Computer Science and Engineering	Cyber Security	BE/B. Tech. in Computer Science/ Electronics/ Electrical/ Communication/Information Technology or M.Sc. in Computer Science.	25
		Software Engg. and Intelligent Systems		
4	Modelling & Simulation		The candidate must have qualified from a recognized Institute / University in Bachelors Degree in Engineering / Technology / OR MSc / MS degree in CS /IT / Mathematics/ Physics /Electronics .Provided mathematics is one of the subject at the graduate level and Proficiency in computer programming is essential.	25
5	Sensor Technology(ST)		Master degree in Physics/Applied Physics/Electronics/ Electronic Science / Photonics or equivalent OR a B.E. / B. Tech / B. Sc (Engineering) degree in Electronics/ Instrumentation / Electrical & Electronics Telecommunication ./ Electronics and Communication Engg./ Engg. Physics/ Nanotechnology.	25
6	Lasers and Electro-Optics (LEOC)		Master degree in Physics/Applied Physics/Electronics/ Electronic Science / Photonics or equivalent OR a B.E. / B. Tech / B. Sc (Engineering) degree in Electronics/ Electrical & Electronics/ Electronics and Communication Engg./ Computer Science/ Engg. Physics/ Optical Engg./ Instrumentation / Optics & opto-electronics	
7	Opto Electronics & Communication Systems	Optical Communication & Photonics (OCP)	Master degree in Physics/ Applied Physics/ Electronics/ Electronic Science / Photonics or equivalent OR a B.E. / B. Tech / B. Sc (Engineering) degree in Electronics / Electrical & Electronics / Electronics and Communication Engg./ Computer Science/ Engg. Physics/ Optical Engg. / Optics & opto-electronics.	25
8	Technology Management(\$)		B.E/B. Tech/M.Sc or equivalent from a recognized university / Institution of India.	25

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9	Electronics & Communication Engineering (ECE)	Radar & Communication	B. E. / B. Tech degree in Electronics & Communication / Electronics/Communication/Telecommunication Engineering from any recognized university or equivalent degree.	75
		Defence Electronics Systems (DES)	B.E./B. Tech degree in Electronics/ Communication/ Instrumentation/ Telecommunication/Electrical Engineering from any recognized university, or M Sc Degree in Electronics and Physics specialized in Electronics from any recognized university. The core intake will be sponsored candidates from Defence R&D Organisation as DRDO, DGOF, Public Sector Undertakings and service officers who meet the eligibility criteria mentioned above.	
		Signal Processing & Communication	B. E. / B. Tech degree or equivalent in Electronics & Communication/ Electronics/ Communication / Telecommunication Engineering from any recognized university or equivalent degree.	
		Wireless Networks & Applications	B. E. / B. Tech degree or equivalent in Electronics / Electrical / Communication / Telecommunication / Electronics & Instrumentation / E & TC Engineering/ Computer Engineering / Computer Science & Engineering / Information Technology / Instrumentation Engineering.	
		Navigation Systems	B. E. / B. Tech degree or equivalent in Electronics / Electrical / Communication / Telecommunication / Electronics & Instrumentation / E & TC Engineering / Computer Science & Engineering / Information Technology / Instrumentation Engineering	
		VLSI & Embedded Systems (In collaboration with NIELIT, Calicut)	B. E. / B. Tech degree or equivalent in Electronics / Electrical / Communication / Telecommunication / Electronics & Instrumentation / E & TC Engineering / Computer Science & Engineering / Information Technology / Instrumentation Engineering	
10	Material Science and Chemical Technology (MS &CT)	Materials Science and Technology (MST)	B.E./B.Tech or equivalent in Metallurgy / materials Science/ Materials Engineering/ Mechanical Engineering/ Production / Ceramic Engineering/ Chemical Engineering/ manufacturing Engineering/ Polymer Engineering/ Nanotechnology; M.Sc or equivalent in Physics/ Chemistry/Environmental Science/Applied Chemistry/Polymer Chemistry/ Marine Architecture	75
		Chemical Science and Tech. (CST)	M.Sc. in any branch of Chemistry, BE/B.Tech in Chemical Engineering or BE / B.Tech (polymer/ Textile Engineering) or equivalent degree .(For others except MST)	
		Energetic Materials & Polymers (EMP)		
11	Materials Engineering		B.E./B.Tech or equivalent in Metallurgy / Materials Science/ Materials Engineering/ Mechanical Engineering/ Production / Ceramic Engineering/ Chemical Engineering/ manufacturing Engineering/ Polymer Engineering/ Nanotechnology; M.Sc or equivalent in Physics/ Chemistry/Environmental Science/Applied Chemistry/Polymer Chemistry/ Marine Architecture	24
12	Corrosion Technology (#)		B.E./B.Tech or equivalent in Metallurgy / Materials Science/ Materials Engineering/ Mechanical Engineering/ Production / Ceramic Engineering/ Chemical Engineering/ manufacturing Engineering/ Polymer Engineering/ Nanotechnology; M.Sc or equivalent in Physics/ Chemistry/Environmental Science/Applied Chemistry/Polymer Chemistry/ Marine Architecture	26

*Robotics is a multidisciplinary specialisation M.Tech degree will be awarded as per the UG Degree of the student viz. M.Tech in EE/ME/AE etc.

Sponsored (DRDO/Tri Services/DPSUs/PSUs/Industry) only.

\$ Applicable for sponsored/self financed candidates only.

NOTE: 1 Age Limit: Not more than 26 years as on 1 July 2018. Relaxations as per GOI rules.

2 Sponsored Candidates are exempted from qualifying GATE requirements sand there is no age limit.

2. MASTER OF SCIENCE PROGRAM

Sr. No.	Programme Title	Eligibility Conditions for Sponsored Candidates (MoD, PSUs or Industry)	Total No. of Seats
01	M.Sc in Food Technology (Only for Sponsored category) In collaboration with DFRL, Mysore	Basic graduate degree in Food Science/Food Technology/ Nutrition/ Sciences/Engineering/Agriculture/ veterinary disciplines. Atleast Candidate must have science background at 10+ 2 level.	25

3. POST GRADUATE DIPLOMA PROGRAMME

Sr. No.	Programme Title	Eligibility Conditions for Sponsored Candidates
01	PG Diploma in Fire Engineering and Integrated Safety (Only for Sponsored category) In association with CFEES/DRDO. <i>(Total Intake: 25)</i>	Any graduate who has studied mathematics at H.S.C (+2) stage and at least one paper of Mathematics during graduation(B.E/ B. Tech./B.Sc/B.com) etc.

4. MASTER OF SCIENCE (M.S) (BY RESEARCH) PROGRAM

Sr. No.	Programme Title	Eligibility Conditions for Sponsored Candidates
01	<u>MASTER OF SCIENCE (M.S) (BY RESEARCH)</u>	<ul style="list-style-type: none"> •Candidates with a Bachelor's degree in Engineering / Technology or a Master's degree in appropriate Sciences with a good academic record. •Candidates having Associate Membership of the following professional bodies will also be eligible for admission to the M.S. programme of their parent discipline provided they have passed both part A and part B of the Membership examinations with a good academic record. : <p>The Institution of Engineers (India) (Civil, Mechanical, Electrical and Electronics, Electronics and Communications), The Aeronautical society of India, The Indian Institute of Metals, The Indian Institute of chemical Engineers, The Institute of Electronics and Telecommunication Engineering.</p>

Note : Candidates belonging to the Scheduled Castes / Scheduled Tribes who have passed the basic qualifying degree as stated above (for all academic programs), are eligible to apply irrespective of the marks /CGPA/CPI and will be considered for admission.