

NIT PUDUCHERRY, ELIGIBILITY CRITERIA

Sl. No.	Department	Essential Qualifications	Area of Specializations
1	Chemistry	B.Sc. Chemistry; M.Sc. or equivalent in Chemistry; Ph.D. in relevant discipline.	Physical Chemistry, Inorganic Chemistry, Organic Chemistry.
2	Civil Engineering	B.E./B.Tech. in Civil Engineering; M.E./M.Tech. or equivalent in Civil Engineering; Ph.D. in relevant discipline.	Environmental Engineering, Water Resources Management, Hydrologic Modelling, Pavement Engineering, Structural Control Systems, Masonry Structures, Advanced Composite Structures, Prestressed Concrete Structures, Experimental Hydraulics, Slope Stability and Landslides, Geomaterial Characterization and Chemical Stabilization, Traffic Engineering, Construction Engineering and Management.
3	Computer Science and Engineering	B.E./B.Tech. in Computer Science and Engineering / Information Technology; M.E./M.Tech. or equivalent in Computer Science and Engineering / Information Technology; Ph.D. in relevant discipline.	High-Performance Computing, Quantum Computing, Blockchain, Cyber-Physical Systems, Image Processing, Internet of Things, Artificial Intelligence, Automata and Formal Language, Bioinformatics, Computer Organization and Architecture, Computer Networks, Cyber Security, Compiler Design, Data Structures and Algorithms, Database Management Systems, Deep Learning, Machine Learning, Natural Language Processing, Network Security, Operating Systems, Software Engineering.

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4	Electrical & Electronics Engineering	B.E./B.Tech. in Electrical and Electronics Engineering / Electrical Engineering / Electronics and Instrumentation; M.E./M.Tech. or equivalent in Electrical and Electronics Engineering or relevant; Ph.D. in relevant discipline.	Power Systems, Electric Vehicle Technology, Smart Electric Grid Technology, Renewable Energy Systems, Power Electronics and Drives, Control Systems, High Voltage Engineering, Process Control, Instrumentation.
5	Electronics & Communication Engineering	B.E./B.Tech. in Electronics and Communication Engineering; M.E./M.Tech. or equivalent in Electronics and Communication Engineering or relevant; Ph.D. in relevant discipline.	Communication Systems, Communication Engineering, Signal Processing, VLSI, Embedded Systems.
6	Humanities and Social Sciences	B.A./B.Sc./B.Tech. or equivalent in Humanities and Social Sciences; M.A./M.Sc./M.B.A. or equivalent in Humanities and Social Sciences, Management or relevant; Ph.D. in relevant discipline.	Sociology, Management Studies, Language and Literature, English Language Teaching.
7	Mathematics	B.Sc./B.A. or equivalent in Mathematics/Statistics; M.Sc./M.A. or equivalent in Mathematics/Statistics; Ph.D. in relevant discipline.	Analysis, Probability and Statistics, Fluid Dynamics, Mathematical Theory of Control, Numerical Analysis, Algebra.
8	Mechanical Engineering	B.E./B.Tech. in Mechanical Engineering / Production Engineering; M.E./M.Tech. or equivalent in Thermal, Manufacturing, Management Studies, Design, Automobile Engineering; Ph.D. in relevant discipline.	Machine Design, Industrial Safety Engineering, Automobile Engineering, Thermal Engineering, Energy Technology, Engineering Design, Internal Combustion Engineering, Manufacturing, CAD-CAM, Management Studies.