

Call for Ph.D. Program (ODD Semester 2020-21)
School of Basic Sciences, IIT Mandi

IIT Mandi seeks application for the **Ph.D. program** in the School of Basic Sciences (SBS) in the following areas.

Sl. No.	Specialization	Qualification for Ph.D.	Remarks
1	<p><u>Physical Sciences:</u></p> <p>Nanomaterials, Experimental Condense Matter Physics, Computational magnetics and material informatics, X-ray spectroscopy, Low Temperature Physics, Theoretical condensed matter physics, Atomic and Molecular physics, Raman and Infrared Spectroscopy, Quantum Optics, Quantum Information and Nano photonics, Optoelectronic properties of nanoscale materials, Bio-molecular simulation/ Statistical physics of complex systems.</p>	<p>Please see the link: http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php</p>	<p>In online application select main area i.e. Physical Sciences for all specialization mentioned in Sl. No. 1.</p>
2	<p><u>Chemical Sciences:</u></p> <p>Materials Chemistry, X-ray Science, Organic Chemistry, Chemistry of Nanomaterials, Inorganic/ Materials/ Nano-Chemistry, Polymer Chemistry, Functional polymers and Nanomaterials, Smart Materials, Biodegradable Polymers, Biomaterials, Physical Chemistry, Computational Chemistry and Catalysis, Theoretical Chemistry, Design and development of new functional Nanomaterials for the application of renewable energy, Nano-electronics and sensor.</p>	<p>Please see the link: http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php</p>	<p>In online application select main area i.e. Chemical Sciences for all specialization mentioned in Sl. No. 2.</p>
3	<p><u>Biological Sciences:</u></p> <p>Nano biotechnology, Immunology/ Microbiology, Biophysics and protein folding, Intrinsically Disordered Proteins, T Cell Engineering, Protein Engineering, Metabolic Systems Biology (Fluxomics and metabolomics), Plant and microbial metabolism, NMR and GC-MS, Metabolic diseases, extracellular matrix, Proteomics, Bioinformatics, Systems Biology, Metagenomics, Comparative Genomics, Protein Function and Structural analysis, Metabolic Syndrome, Obesity, Diabetes, Biochemistry and Molecular Biology.</p>	<p>Please see the link: http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php</p>	<p>In online application select main area i.e. Biological Sciences for all specialization mentioned in Sl. No. 3.</p>
4	<p><u>Mathematics and Statistics:</u></p> <p>Math: Harmonic and Wavelet Analysis, Theoretical Partial Differential Equations, Computational Fluid Dynamics, Numerical Methods for PDEs, Differential Equations, Dynamical Systems, Nonlinear Dynamics, Optimization, Soft Computing, Machine Learning & its Application to Computational Finance, Operator Theory, Control Problem, Applied Functional Analysis.</p> <p>Statistics: Statistics, data analysis, climate change, disease modeling.</p>	<p>Please see the link: http://www.iitmandi.ac.in/academics/ms_phd_eligibility.php</p>	<p>In online application select main area i.e. Mathematics and Statistics then M for all specialization mentioned under Math and S for all specialization mentioned under Statistics in Sl. No. 4.</p>



How to Apply

Interested candidates are encouraged to fill the online application form available in the following link: <http://oas.iitmandi.ac.in/External/Admission/Login.aspx>

The last date of filling the online application is 5th May, 2020.

The online portal for application will be accessible from 13th April, 2020.

For any queries regarding Ph.D. program in SBS, please contact the SBS office through email: sbs-admissions@iitmandi.ac.in . We look forward to reviewing your application. Employed candidates seeking admission to Ph.D. must submit a “**No Objection Certificate from their current employer**”.

The School of Basic Sciences reserves the right to recruit / not recruit for any of the advertised areas. Apart from this, Interview schedule will be decided based on Covid-19 situation in India. No any query will be treated related to interview schedule/shortlisting criteria/list of shortlisted candidates for interview, kindly check our website frequently for the same.

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