

PhD Program School of Basic Sciences, IIT Mandi

Physical Sciences:

Overview	
Program Details	<p>The applicant for admission to PhD program shall be in any one of the following categories:</p> <ol style="list-style-type: none">1. Regular full time research scholars including degree holders from foreign universities institutions:<ol style="list-style-type: none">a) Research scholar with MHRD assistantship.b) Research scholar getting support from GOVT./Semi.Govt. Agencies (QIP, CSIR, UGC, DAE, DST, DBT, NBHM, JEST, ICCR etc.)c) Research scholars under the external registration program sponsored by an employed in industry/ organization having R&D facilities and recognized by DST or IIT Mandi, national laboratories, reputed universities/ college or employed in research/ analysis job in public sector/ private sector/ government in the case of management area. The candidates seeking admission under this category must have at least two years of work experience. (a research scholar under the external registration program will normally carry out part or all of his/ her research work in the industry/ organization/ National Laboratory / universities employing the scholar under the supervision of a co-guide also employed in the same organization and a guide at IIT Mandi.)d) Research scholar supported by self or the employer (sponsored)e) Research scholar supported from project<ul style="list-style-type: none">• part time research scholars including degree holders from foreign universities / institutions:<ol style="list-style-type: none">a) Research scholar working as a regular employee in the instituteb) research scholar supported from projectc) Research scholar working in other organisations recognized by IIT Mandi or having MoU for research purposes.• the research scholars pursuing PHD degree in and academic area in other IITs or in a recognized university or institute engineering/technology/sciences including social sciences may be given admission as little entry in the corresponding categories mentioned above, with credit transfer for the coursework. The research scholar working in a project will be full time, provided his research for PhD is related to the project as certified by the supervisor, who is associated with the project. A research scholar whose topic for PHD is unrelated to the project will be working part time for PhD but may be given full time status after the project tenure is completed.
Eligibility	Master's degree in Sciences with a good academic record with a valid GATE score or

	UGC/CSIR NET/ Master's degree in Engineering/Technology with a good academic record/ B. Tech degree of any IIT with a minimum of CGPA of 8.0 on a 10.0 point scale or with a valid GATE Score or B. Tech. / B.E degree of any recognized University in India with a minimum CGPA of 8.0 on a 10.0 point scale or equivalent with valid GATE score.
Application Procedure	<p>Interested candidates are encouraged to fill the online application form available in the following link: http://oas.iitmandi.ac.in/External/Admission/Login.aspx</p> <p>The general time of admissions to the Ph.D. program is in July and December, however applications are invited throughout the year. The interested candidates are requested to visit the IIT Mandi website from time to time for the latest updates regarding notices and news.</p> <ul style="list-style-type: none"> • Eligible candidate possessing the the minimum educational qualification and satisfying additional criteria set by the schools from time to time, will be called for an interview and/or test by the selection committees of the respective schools. • For candidates who have obtained PG degree 10 years prior to the last date prescribed for receipt of the completed application, an additional test may be conducted by the school. • The applications of foreign nationals may be considered without a personal interview/test only applicants of exceptional merit. • Based on the academic record and the performance of the candidates in the interview and/or test, the selection committee of the school will recommend to the chairman, senate the names of candidates found suitable for admission to the PhD programme. • Candidates whose selection is approved by the Chairman, Senate will be admitted to the PhD program after payment of prescribed fees. • Ordinarily, a candidate is not eligible for re registration for PhD after cancellation of his/her earlier registration for any reason. Based on the merits of the individual case and taking into consideration of any special circumstances, a candidate may be considered for a re registration.

Chemical Sciences:

Overview	
Program Details	<p>The applicant for admission to PhD program shall be in any one of the following categories:</p> <ol style="list-style-type: none"> 2. Regular full time research scholars including degree holders from foreign universities institutions: <ol style="list-style-type: none"> f) Research scholar with MHRD assistantship. g) Research scholar getting support from GOVT./Semi.Govt. Agencies (QIP, CSIR, UGC, DAE, DST, DBT, NBHM, JEST, ICCR etc.) h) Research scholars under the external registration program sponsored by an employed in industry/ organization having R&D facilities and

	<p>recognized by DST or IIT Mandi, national laboratories, reputed universities/ college or employed in research/ analysis job in public sector/ private sector/ government in the case of management area. The candidates seeking admission under this category must have at least two years of work experience. (a research scholar under the external registration program will normally carry out part or all of his/ her research work in the industry/ organization/ National Laboratory / universities employing the scholar under the supervision of a co-guide also employed in the same organization and a guide at IIT Mandi.)</p> <ul style="list-style-type: none"> i) Research scholar supported by self or the employer (sponsored) j) Research scholar supported from project <ul style="list-style-type: none"> • part time research scholars including degree holders from foreign universities / institutions: d) Research scholar working as a regular employee in the institute e) research scholar supported from project f) Research scholar working in other organisations recognized by IIT Monday or having MoU for research purposes. <ul style="list-style-type: none"> • the research scholars pursuing PHD degree in and academic area in other IITs or in a recognized university or institute engineering/technology/sciences including social sciences may be given admission as little entry in the corresponding categories mentioned above, with credit transfer for the coursework. The research scholar working in a project will be full time, provided his research for PhD is related to the project as certified by the supervisor, who is associated with the project. A research scholar whose topic for PHD is unrelated to the project will be working part time for PhD but may be given full time status after the project tenure is completed.
<p>Eligibility</p>	<p>Master's degree in Sciences with a good academic record with a valid GATE score or UGC/CSIR NET/ Master's degree in Engineering/Technology with a good academic record/ B. Tech degree of any IIT with a minimum of CGPA of 8.0 on a 10.0 point scale or with a valid GATE Score or B. Tech. / B.E degree of any recognized University in India with a minimum CGPA of 8.0 on a 10.0 point scale or equivalent with valid GATE score.</p>
<p>Application Procedure</p>	<p>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 general time of admissions to the Ph.D. program is in July and December, however applications are invited throughout the year. The interested candidates are requested to visit the IIT Mandi website from time to time for the latest updates regarding notices and news.</p>

Biological Sciences:

Overview	
Program Details	<p>The applicant for admission to PhD program shall be in any one of the following categories:</p> <ol style="list-style-type: none">3. Regular full time research scholars including degree holders from foreign universities institutions:<ol style="list-style-type: none">k) Research scholar with MHRD assistantship.l) Research scholar getting support from GOVT./Semi.Govt. Agencies (QIP, CSIR, UGC, DAE, DST, DBT, NBHM, JEST, ICCR etc.)m) Research scholars under the external registration program sponsored by an employed in industry/ organization having R&D facilities and recognized by DST or IIT Mandi, national laboratories, reputed universities/ college or employed in research/ analysis job in public sector/ private sector/ government in the case of management area. The candidates seeking admission under this category must have at least two years of work experience. (a research scholar under the external registration program will normally carry out part or all of his/ her research work in the industry/ organization/ National Laboratory / universities employing the scholar under the supervision of a co-guide also employed in the same organization and a guide at IIT Mandi.)n) Research scholar supported by self or the employer (sponsored)o) Research scholar supported from project<ul style="list-style-type: none">• part time research scholars including degree holders from foreign universities / institutions:g) Research scholar working as a regular employee in the instituteh) research scholar supported from projecti) Research scholar working in other organisations recognized by IIT Monday or having MoU for research purposes.<ul style="list-style-type: none">• the research scholars pursuing PHD degree in and academic area in other IITs or in a recognized university or institute engineering/technology/sciences including social sciences may be given admission as little entry in the corresponding categories mentioned above, with credit transfer for the coursework. The research scholar working in a project will be full time, provided his research for PhD is related to the project as certified by the supervisor, who is associated with the project. A research scholar whose topic for PHD is unrelated to the project will be working part time for PhD but may be given full time status after the project tenure is completed.
Eligibility	Master's degree in Sciences with a good academic record with a valid GATE score or UGC/CSIR NET/ Master's degree in Engineering/Technology with a good academic record/ B. Tech degree of any IIT with a minimum of CGPA of 8.0 on a 10.0 point

	scale or with a valid GATE Score or B. Tech. / B.E degree of any recognized University in India with a minimum CGPA of 8.0 on a 10.0 point scale or equivalent with valid GATE score.
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Mathematics and Statistics:

Overview	
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	<p>research scholar working in a project will be full time, provided his research for PhD is related to the project as certified by the supervisor, who is associated with the project. A research scholar whose topic for PHD is unrelated to the project will be working part time for PhD but may be given full time status after the project tenure is completed.</p>
Eligibility	<p>Master's degree in Sciences with a good academic record with a valid GATE score or UGC/CSIR NET/ Master's degree in Engineering/Technology with a good academic record/ B. Tech degree of any IIT with a minimum of CGPA of 8.0 on a 10.0 point scale or with a valid GATE Score or B. Tech. / B.E degree of any recognized University in India with a minimum CGPA of 8.0 on a 10.0 point scale or equivalent with valid GATE score.</p>
Application Procedure	<p>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 general time of admissions to the Ph.D. program is in July and December, however applications are invited throughout the year. The interested candidates are requested to visit the IIT Mandi website from time to time for the latest updates regarding notices and news.</p>

Integrated-PhD programs in Physics

Overview	<p>IIT Mandi invites applications from the interested candidates for the admission in Integrated-PhD (I-PhD) programs in Physics, for the academic year 2021-22, starting from August 2021. The I-PhD program will cover all the essential features of regular M Sc as well as PhD program with the special emphasis on the training the students to the research field at early stage, after the completion of one year course work. A suitable amount of fellowship will be paid to I-PhD students starting from the date of admission. The details can be found in the link http://www.iitmandi.ac.in/academics/files/iphd.pdf</p>
Program Details	<p>Preamble: This program is designed to attract bright and young minds towards the front line areas of research in physics. Students enrolled in the Integrated Ph.D.(I-Ph.D) program , on successful completion, will be awarded two degrees: a Master of Science (M.Sc.) in Physics and a Doctor of Philosophy (Ph.D.) degree. The entry qualification for this I-Ph.D. program is a Bachelors Degree in physical/mathematical sciences. The I-Ph.D. program will have courses that cover both fundamental and advanced areas of physics and has the aim of training the student to be capable of working in frontier areas of science and technology. Besides studying theoretical and experimental courses, the student will also be exposed to working in a project environment as a part of this degree program. In addition, the student will have the option of taking courses in interdisciplinary areas. The early introduction to research is aimed both at improving the quality of their research work and also at expediting the completion of the Ph.D. degree.</p> <p>Description of the Program (Main Features of the Program) :All students admitted to this program will undergo coursework similar to that typically covered in a high quality M.Sc. program and course work of a Ph.D. program. Continuation of the enrolled student</p>

	<p>in the I-Ph.D. program will be based on the student's consistent academic performance throughout the program. Students of the I-Ph.D. program will be able to take a number of elective courses that are more focused towards their research degree. Several elective courses will be made available to the students to build a strong foundation in the area of his/her research interest. At the completion of the I-Ph.D. program student shall be awarded M.Sc. degree in physics and a Ph.D. degree based on research work in the specified research topic. A student who does not fulfill the requirements of the IPh.D. program altogether will receive the M.Sc. degree alone provided he/she has qualified for the same. The I-Ph.D. program has a maximum duration of 8 years and a minimum duration of 5 years.</p> <p>Features of the I-Ph.D. program: All students who are admitted to the I-PhD program will be getting scholarship from their first year onwards. A guide (and co-guide if any) will be allocated at the beginning of the third semester. A Doctoral Committee will also be set-up to supervise the study/research program of each IPh.D. Student at this time. The rules and regulations governing the I-Ph.D. program will generally follow those of the regular Ph.D. program at IIT Mandi. However, the coursework requirement for the IPh.D. program will be lower than the total coursework of an M.Sc program and the regular Ph.D. program combined. The minimum required course credits for this program is 89 credits. The students are required to complete their comprehensive examination by the end of their third year of the program. Students have the option of taking elective courses from their third semester. The number of elective courses in a particular semester can be decided in consultation with his/her thesis advis</p>
<p>Eligibility</p>	<p>Bachelor degree (B.Sc. after the 10+2 or equivalent) with Physics and Mathematics as two of the subjects from a recognized university with at least 60% marks or CGPA of 7. • Candidate should have a valid score in the national level exam Joint Admission Test (JAM). • Candidates appearing in their final year examinations of bachelor program, can also apply. They should use the percentage (/CGPA) up to the previous semester/year while filling the application form. It is to note that such candidates (if selected) will have to produce all the relevant documents at the time of admission in order to show the fulfillment of all eligibility conditions.</p>
<p>Application Procedure</p>	<p>The eligible candidates will have to undergo an online interview. How to apply: The eligible candidates are required to fill the online application form available at the link https://oas.iitmandi.ac.in/External/Admission/Login.aspx</p>