

## Minimum Eligibility Criteria for PhD Programme

2024-25 [Semester-II]

### Institute Eligibility Criteria

At least 55% marks (50% marks for SC/ST/PD) or 5.5 CPI (5.0 CPI for SC/ST/PD) in M.A./M.Sc./B.Tech./MTech./BS (IISc, IISER)/BS-MS (IISER) or in equivalent qualifying degree in appropriate branches.

Above mentioned eligibility criteria is minimum at Institute level. The department-wise eligibility criteria is given in the table below. The departments may also use higher cut-off levels for shortlisting besides giving due consideration to the way questions are answered in the application form. Candidates belonging to SC/ST/PD categories would be eligible for relaxations, as per norms, in the selection criteria.

The departments may also use higher cut off levels for shortlisting. Merely meeting the minimum eligibility criteria will not guarantee the shortlisting and/or admission.

### Department Specific Eligibility Criteria

Departments	Eligible Qualifying Degree
<b>BIOLOGICAL SCIENCES &amp; ENGINEERING</b>	<ul style="list-style-type: none"> <li>• MSc/MS (Biosciences / Biochemistry / Chemistry / Biophysics / Physics/Zoology / Botany / Biotechnology)</li> <li>• BTech/MTech (Biotechnology / Bioinformatics / Biomaterials / Biological Engineering / Biochemical Engineering / Biomedical Engineering / Bioengineering) or equivalent degree in a closely related field.</li> </ul>
<b>CHEMICAL ENGINEERING</b>	<ul style="list-style-type: none"> <li>• BE/BTech/ME/MTech/MS or equivalent degree in Chemical Engineering/ Biotechnology/ Bioengineering/ Food technology/ Food Engineering/Safety Engineering/Polymer Science and Engineering/ Nanotechnology /Textile Engineering/ Mechanical Engineering/ Metallurgical and Materials Engineering/ Ceramic Engineering/Energy Systems &amp; Engineering/ Instrumentation and Control/ Engineering Physics/Applied Mechanics/Energy Science and Engineering and allied branches.</li> <li>• M.Pharm/ MS(Pharm)/ MTech(Pharm)</li> <li>• MSc in Physics/Chemistry/Biotechnology/Bioinformatics and allied branches</li> </ul>
<b>CHEMISTRY</b>	<ul style="list-style-type: none"> <li>• MSc (Inorganic Chemistry/Analytical Chemistry/ Organic Chemistry/ General Chemistry/ Physical Chemistry/ Biochemistry/ Bioinformatics/ Computational Biology/ Applied Chemistry, Biosciences),</li> <li>• M. Pharm (Medicinal Chemistry or Computational Chemistry) or equivalent degree and related programs.</li> </ul>
<b>CIVIL ENGINEERING</b>	<ul style="list-style-type: none"> <li>• BE/BTech/ME/MTech or equivalent degree in Civil Engineering or closely related field.</li> </ul>
<b>COGNITIVE &amp; BRAIN SCIENCE</b>	<ul style="list-style-type: none"> <li>• BTech/MTech/MSc/MA or equivalent degree</li> </ul>
<b>COMPUTER SCIENCE &amp; ENGINEERING</b>	<ul style="list-style-type: none"> <li>• BE/BTech/MTech/ME/MS/MSc or equivalent degree in CS/EC/EE/ Mathematics/Physics/Bioinformatics related areas</li> </ul>
<b>ELECTRICAL ENGINEERING</b>	<ul style="list-style-type: none"> <li>• BE/BTech/ME/MTech or Equivalent degree in the broad area of Electrical and/or Electronics engineering,</li> <li>• BE/BTech/ME/MTech or Equivalent degree in other branches of Engineering may be considered in areas consistent with the research areas of the discipline,</li> <li>• MSc in disciplines consistent with the research areas of the discipline.</li> </ul>

<b>MATERIALS ENGINEERING</b>	<ul style="list-style-type: none"> <li>• B.E. / B. Tech. / M. Tech. / M.S. or equivalent degree in Materials Science /Materials Engineering / Metallurgical Engineering / Mechanical Engineering/Manufacturing Engineering / Polymer Engineering / Ceramic Engineering / Biological Engineering / Chemical Engineering / Electrical Engineering/ Electronics Engineering / Physics / Chemistry / Biotechnology / Nanotechnology / Food science / Marine Engineering / Applied Mechanics or any other related program.</li> <li>• BE/BTech/ME/MTech/MS/MSc Degree in other branches of Engineering/ Technology/ Sciences with an outstanding academic record may also be considered for research areas consistent with their academic background and special interests of the discipline.</li> </ul>
<b>MATHEMATICS</b>	<ul style="list-style-type: none"> <li>• M.A./M.Sc.(or equivalent) in Mathematics/Statistics</li> <li>• BE/BTech (or equivalent)</li> </ul>
<b>MECHANICAL ENGINEERING</b>	<ul style="list-style-type: none"> <li>• BE/BTech/ME/MTech/MS or equivalent degree in Mechanical Engineering</li> <li>• BE/BTech/ME/MTech/MS degree or equivalent in Chemical Engineering/Electrical and/or Electronics Engineering/ Production Engineering/Industrial Engineering and/or Design/ Aerospace and/or Aeronautical Engineering/ Civil and/or Structural Engineering/ Instrumentation and Control/ Metallurgical and/or Materials Engineering/ Engineering Physics/Applied Mechanics/ Ocean Engineering and/or Naval Architecture/ Engineering Design/ Biotechnology and/or Bio Engineering/ Energy Science and Engineering/ Nuclear Engineering/ Polymer Science and/or Engineering/ Textile Engineering/</li> <li>• MSc or equivalent degree in Physics/Mathematics</li> <li>• BE/BTech/ME/MTech/MS/MSc Degree in other branches of Engineering/Technology/Sciences with an outstanding academic record may also be considered for research areas consistent with their academic background and special interests of the discipline</li> </ul>
<b>PHYSICS</b>	<ul style="list-style-type: none"> <li>• MSc (in Physics, Applied Physics, Mathematics, Statistics, Comp. Science),</li> <li>• BS-MS / Integrated MSc in Physics / Engg. Physics / Mathematics and MTech (in related areas of Physics)</li> <li>• BE / BTech / BS in Engineering Physics or related areas</li> </ul>