Shortlist criteria for the written and/or interview round for the PhD admission
Spring semester of the Academic Year 2026-27



Indian Institute of Technology Goa

Program wise Shortlist criteria 3
1. Computer Sciences and Engineering 3
2. Chemical and Materials Engineering 3
3. Chemistry 4
4. Electrical Engineering 4
5. Humanities & Social Sciences 5
A. Economics 5
6. Mechanical Engineering 5
7. Mathematics 6
8. Physics 6

Program wise Shortlist criteria

1. Computer Sciences and Engineering

I. MTech/ME with 60% or CPI 6.0 (5.5 for SC/ST).

II. Bachelor's degree in Engineering, Technology, or Science, or equivalent with 70% or CPI 7.0/10 (6.5 for SC/ST), or a Master's degree in Science, Arts, or equivalent with 60% or CPI 6/10 (5.5 for SC/ST).

Should satisfy one of the following:

- Qualified GATE in the relevant streams. (Candidates with B.E. /B.Tech/B.S./MCA/M.Sc.degree or equivalent relevant degree must have a valid GATE score).
- Junior Research Fellowship (JRF) of CSIR/ UGC/ NBHM/ DBT/ ICAR/ ICMR/ ICPR Fellowship in the relevant streams
- B.Tech/Dual degree from IIT with a CPI/CGPA 7.5 or equivalent (7 for SC/ST).
- Minimum of 2 years of professional experience. (Acquired after obtaining the qualifying degree and completed before the start of the semester in which admission is sought) in the relevant areas. (Applicable to B.Tech/B.E./B.S./MCA/M.Sc.qualifying degree candidates).

2. Chemical and Materials Engineering

As per the advertisement:

Applicants must have one of the following in the appropriate subject areas:

I. Master's Degree[1] in Engineering/Technology or equivalent degree with 60% marks or CPI of 6/10 or equivalent (55% marks or CPI of 5.5/10 or equivalent for SC/ST)

II. Bachelor's degree or equivalent degree in Engineering/Technology with 70% marks or CPI of 7/10 or equivalent (65% marks or CPI of 6.5/10 or equivalent for SC/ST)

III. Master's degree in Science or equivalent degree with a minimum of 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST)

IV. Bachelor's degree in Science with 4-year/8-semester or equivalent degree with a minimum of 70% marks or CPI 7/10 or equivalent (65% marks or CPI 6.5/10 or equivalent for SC/ST).

[1] M.E./M.Tech. qualifying degree candidates are exempted from having an additional requirement for applying to the Ph.D. programme in CME at IIT Goa.

Applicants with B.E./B.Tech./B.S./M.Sc. as a qualifying degree must also fulfil one of the following additional requirements*:

I. Qualified GATE in the relevant streams (Candidates with a B.E./B.Tech./B.S./M.Sc. degree or equivalent relevant degree must have a **valid** GATE score).
II. Junior Research Fellowship (JRF) of CSIR/ UGC/ NBHM/ DBT/ICAR/ ICMR/ ICPR Fellowship in the relevant streams.
III. B.E./B.Tech or Dual degree from CFTIs with a minimum CPI/CGPA of 7.5 or equivalent (CPI 7/10 or equivalent for SC/ST).
IV. Minimum of 2 years of professional experience (acquired after obtaining the qualifying degree and completed before the start of the semester in which admission is sought) in the relevant areas (Applicable to B.Tech/B.E./B.S./M.Sc. qualifying degree candidates).

3. Chemistry

I. Valid GATE score in Chemistry, CSIR-UGC NET (Admission to PhD only) as per the advertisement for the positions advertised under the Institute TA category

Or

Valid govt. fellowship (UGC, CSIR, INSPIRE, DAE, DST etc.) for JRF category

and

II. Relevant discipline in the qualifying degree (as deemed appropriate) with minimum qualifying marks

4. Electrical Engineering

I. Applicants must have one of the following in the appropriate subject areas. (An ongoing degree may also be considered as a qualifying degree provided the applicant graduates before the M.S. by Research program starts.)

- Master's Degree in Engineering/Technology or equivalent degree with a minimum 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST).
- Bachelor's degree or equivalent degree in Engineering/Technology with a minimum 70% marks or CPI 7/10 or equivalent. (65% marks or CPI 6.5/10 or equivalent for SC/ST).
- Master's degree in Science, Arts, Social Sciences, or equivalent degree with a minimum 60% marks or CPI 6/10 or equivalent. (55% marks or CPI 5.5/10 or equivalent for SC/ST).

- Bachelor's degree in Science with 4-year/8-semester or equivalent degree with a minimum 70% marks or CPI 7/10 or equivalent (65% marks or CPI 6.5/10 or equivalent for SC/ST).

II. Applicants must also fulfill one of the following additional requirements. (Candidates with MTech/ME degree are exempted from having an additional requirement for applying to the M.S. by Research program.)

- Qualified GATE in the relevant streams. (Candidates with B.E. /B.Tech/B.S./MCA/M.Sc. degree or equivalent relevant degree must have a valid GATE score).
- Junior Research Fellowship (JRF) of CSIR/ UGC/ NBHM/ DBT/ ICAR/ ICMR/ ICPR Fellowship in the relevant streams.
- B.Tech/B.S./Dual degree from CFTIs with a minimum CPI/CGPA of 7.5 or equivalent (CPI/CGPA 7/10 or equivalent for SC/ST).
- Minimum of 2 years of professional experience (acquired after obtaining the qualifying degree and completed before the start of the semester in which admission is sought) in the relevant areas. (Applicable to B.Tech/B.E./B.S./MCA/M.Sc. qualifying degree candidates).

III. Applicants who are terminated from the PhD program are not considered for re- admission.

5. Humanities & Social Sciences

A. Economics

- Qualified UGC-NET/GATE in Economics
- Junior Research Fellowship (JRF) of UGC in Economics
- Candidates with at least 70% marks in their Master's degree (65% for SC/ST) in Economics may also be considered (Non-UGC-NET/GATE Candidates)

6. Mechanical Engineering

Criteria for shortlisting PhD applications (Regular mode)

Unreserved	**EWS/OBC-NCL**	**SC/ST/PwD**
Applicants with BE/BTech* & GATE		
BTech ≥ 70%	BTech ≥ 70%	BTech ≥ 65%
Valid GATE score OR		
2 Years of professional experience in relevant areas		
Applicants with ME/MTech*		
ME/MTech ≥ 60%	ME/MTech ≥ 60%	ME/MTech ≥ 55%

*The candidates fulfilling the above shortlisting criteria are required to have their BE/BTech degree in Mechanical Engineering and allied branches with at least first class.

7. Mathematics

I. The applicant must fulfill the advertisement criteria.

II. The applicant either has CSIR/UGC-JRF or a valid and qualified GATE score above the cutoff decided by the Ph.D. admissions committee which is

- greater than or equal to 375 for GEN
- greater than or equal to 337 for OBC/EWS (10% less than GEN, rounded down from 337.5 to 337).
- greater than or equal to 251 for SC/ST/PWD (33% less than GEN, rounded down from 251.25 to 251).

8. Physics

I. **R-TA:**

- Master's degree in Physics or equivalent degree with 60% marks or CPI 6/10 or equivalent (55% marks or CPI 5.5/10 or equivalent for SC/ST).
- Equivalent Bachelor's degree with 60% marks or CPI 6/10 or equivalent (55% marks or CPI 5.5/10 or equivalent for SC/ST).
- Valid GATE/NET/JEST score. For GATE rank considered upto 2300 for GEN, 2800 for OBC/EWS and 3000 for SC/ST.

II. **R-JRF:**

- Master's degree in Physics or equivalent degree with 60% marks or CPI 6/10 or equivalent (55% marks or CPI 5.5/10 or equivalent for SC/ST).
- Equivalent Bachelor's degree with 60% marks or CPI 6/10 or equivalent (55% marks or CPI 5.5/10 or equivalent for SC/ST).
- Valid fellowship i.e., joint UGC-CSIR NET JRF.
- Candidates having UGC-CSIR NET JRF but applied in the R-TA category can be eligible for both categories, i.e., either R-TA or R-JRF category during the selection process.