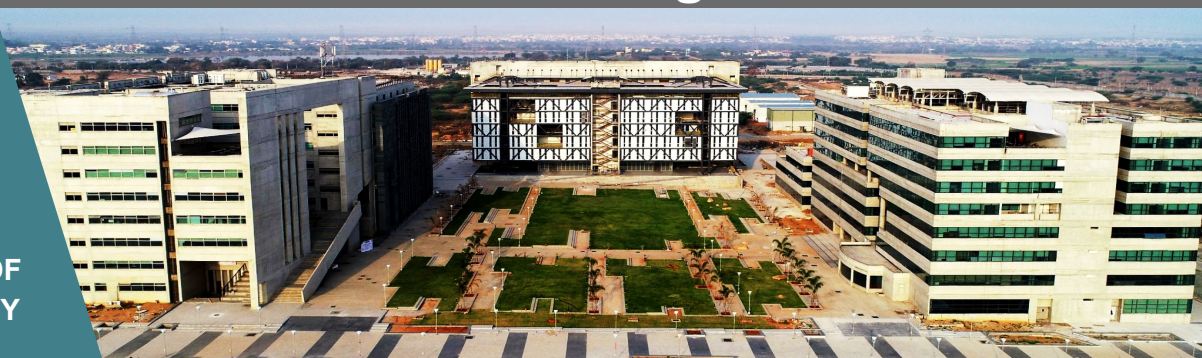


# Polymers and Bio Systems Engineering M. Tech. Program



भारतीय प्रौद्योगिकी संस्थान हैदराबाद  
Indian Institute of Technology Hyderabad

INDIAN  
INSTITUTE OF  
TECHNOLOGY  
HYDERABAD



## ADMISSION PROCEDURE

- Admissions with MHRD fellowships will be based on GATE scores and AIR. GATE score is not required for IIT B.Tech/BDes candidates with CGPA above 8.
- Admissions without MHRD fellowships to self-sponsored category candidates will be based on interviews held at IIT Hyderabad and will be subject to credit based fee system.

## ELIGIBILITY

- B.Tech/B.E in one of the following disciplines: Chemical Engineering, Mechanical Engineering, Materials Science & Metallurgical Engineering, Polymer Science & Engineering, Biomedical Engineering and Biotechnology
- GATE qualification in one of the following: CH/ME/XE-C/XE-F/BM/B
- Sponsored category candidates do not need GATE score but should have a first class or CGPA of 7.0 or more in their respective disciplines.

## ABOUT THE PROGRAM

This is a truly interdisciplinary program combining several facets of modern soft materials and biological systems engineering. The program strives to expose the students to cutting-edge problems in industry and simultaneously provide them a strong fundamental understanding of the engineering principles involved. Lectures by industrial experts is an integral part of the program. The program features hands-on training on research projects that have potential applications in health care and allied sectors.

Students are encouraged to apply online at [www.iith.ac.in](http://www.iith.ac.in)  
Dates for an interview at IIT Hyderabad will be intimated later to the shortlisted candidates



IIT Hyderabad, Kandi,  
NH65, Sangareddy,  
502285, Telangana

## PROGRAM STRUCTURE

The program spans four semesters:

### Semester 1

Core Courses – 4                      8 Credits  
Electives – 2                            4 Credits

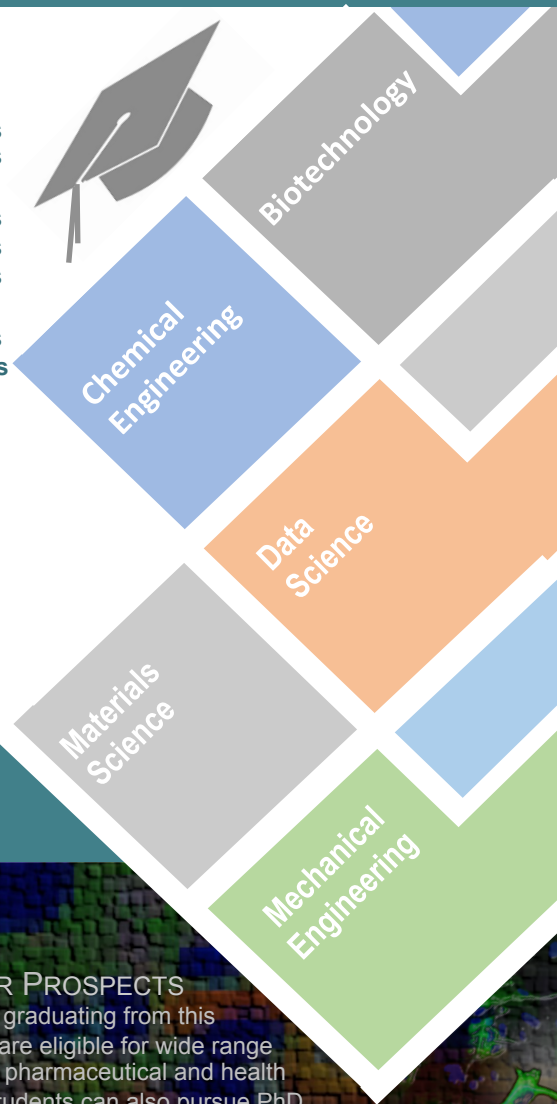
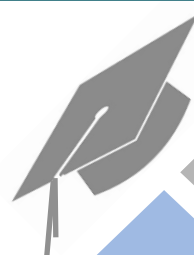
### Semester 2

Core Courses – 3                      6 Credits  
Mandatory Courses – 2              2 Credits  
Electives – 3                            6 Credits

### Semester 3 & 4

Thesis                                    24 Credits  
**Total                                    50 Credits**

The students is free to choose from a basket of elective courses



## CAREER PROSPECTS

Students graduating from this program are eligible for wide range of jobs in pharmaceutical and health sector. Students can also pursue PhD programs in reputed international institutions.

## RESEARCH FACILITIES

- AFM, Confocal and TEM
- Differential Scanning Calorimeter
- Gel Permeation Chromatograph
- Small Angle X-Ray Scattering
- Particle Analyzer
- IR and UV Spectrometers
- Cell Culture Facilities

## Who can apply

If you are a bright motivated student and meet the eligibility criteria, visit us at <https://pratham.iith.ac.in>

If you wish to know more about the fascinating area of polymers and bio systems engineering, please write to us at [fic.mtech.pbs@iith.ac.in](mailto:fic.mtech.pbs@iith.ac.in)