

# Polymers and Bio Systems Engineering

## M. Tech. Program (Self-Sponsored)



भारतीय प्रौद्योगिकी संस्थान हैदराबाद  
Indian Institute of Technology Hyderabad

INDIAN  
INSTITUTE OF  
TECHNOLOGY  
HYDERABAD



### ADMISSION PROCEDURE

- ❑ Students admitted into the program will have a credit based fee system.
- ❑ Students will be admitted without scholarship.
- ❑ Admissions will be based on interview held at IIT Hyderabad.
- ❑ Admission into the program will be handled by IIT Hyderabad.

### ELIGIBILITY

- ❑ B.Tech/B.E in one of the following disciplines:
- ❑ Chemical Engineering, Mechanical Engineering, Materials Science and Metallurgical Engineering, Polymer Science and Engineering, Biomedical Engineering and Biotechnology
- ❑ Candidates should have a first class in their respective B.Tech/B.E 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

### PROGRAM STRUCTURE

The program spans four semesters:

#### Semester 1

Core Courses – 5	10 Credits
Electives – 2	4 Credits

#### Semester 2

Core Courses – 3	6 Credits
Electives – 3	6 Credits

#### Semester 3

Thesis	12 Credits
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#### Semester 4

Thesis	12 Credits
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**Total 50 Credits**

The student is free to choose from the basket of elective courses

### Who can apply

If you are a bright motivated student and meet the eligibility criteria, visit us at [www.pratham.iith.ac.in](http://www.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)



### 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



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

[www.iith.ac.in](http://www.iith.ac.in)