

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/B.Sc in one of the following disciplines: Chemical Engineering, Mechanical Engineering, Materials Science & Metallurgical Engineering, Polymer Science & Engineering, Biomedical Engineering, Engineering Physics, Physics and Biotechnology (B. Tech).
- GATE qualification in one of the following: CH/ME/XE-C/XE-F/BM/B/PHY
- 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
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

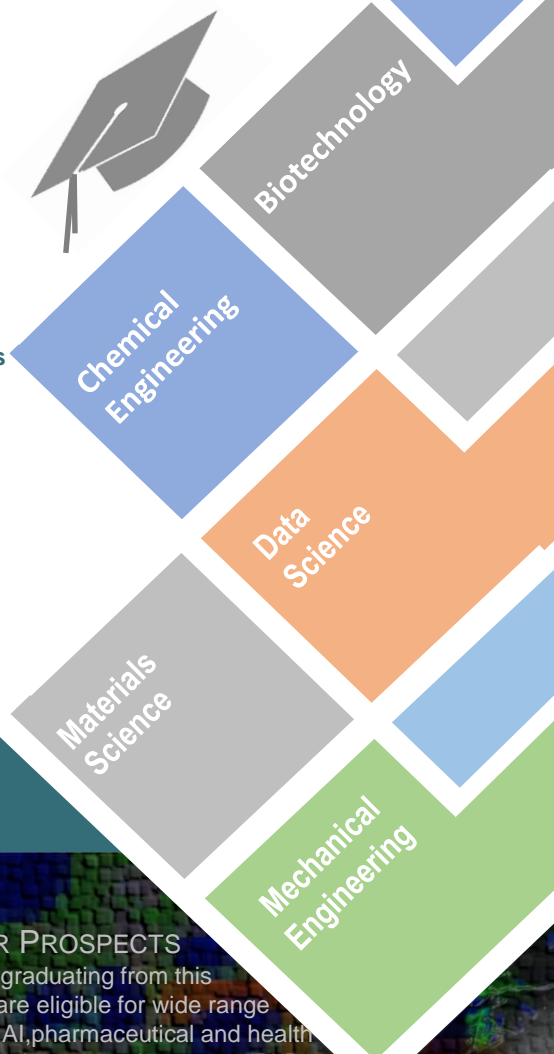
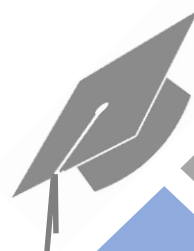
Electives – 3 6 Credits

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 AI, pharmaceutical and health care sector. Students can also pursue PhD programs in reputed international institutions.

PLACEMENT HIGHLIGHTS

- DAFTCRAFT, AI Engineer, JAPAN.
- PhD position, Washington University, St Louis, (USNews Rank-14)

RESEARCH FACILITIES

- AFM, Confocal and TEM
- 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