

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).
- M. Sc in Chemistry
- 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.

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



Chemical
Engineering

Biotechnology

Data
Science

Materials
Science

Mechanical
Engineering

CAREER PROSPECTS

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

PLACEMENT

HIGHLIGHTS

- DAFTCRAFT, AI Engineer, JAPAN.
- Quantinium, Australia.
- PhD position, Washington University, St Louis, (USNews Rank-14), Rensselaer Polytechnic Institute, New York.

RESEARCH FACILITIES

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

www.iith.ac.in