Indian Institute of Technology Bombay

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

ACADEMIC PROGRAMS

PhD

MSc

Dual Degree PhD

MTech

MDes

Dual Degree Masters

BDes

BTech

BS

MMgmt

EMBA

MPhil

Undergraduate Programs at IIT Bombay

Four-year undergraduate program of study that provides a broad and liberal education, and a sound background in a technical domain

BDes
Bachelor of Design
Course duration 4 years
Design

BS
Bachelor of Science
Course duration 4 years
Chem

BTech
Bachelor of Technology
Course duration 4 years
Aerospace Engg , Chemical Engg, Civil Engg, Computer Sci & Engg, Electrical Engg, Material Sci & Metallurgy, Mechanical Engg, Engg Physics

DD
Dual Degree Program BTech + MTech
Course duration 5 years
Aerospace Engg , Chemical Engg, Civil Engg, Computer Sci & Engg, Electrical Engg, Energy Sci & Engg, Material Sci & Metallurgy, Mechanical Engg, Engg Physics

Students in the BTech and BS programs may opt for Minors and/or Honours programs. These programs provide great leverage to a student applying for specialized positions and niche roles:

- Honours: Earned additionally by completing extra specialized courses within parent department
- Minors: Earned additionally by completing extra specialized courses outside parent department
- Dual Degree program: Upon successful completion of necessary academic requirements, a student is awarded both BTech and MTech degrees

- Admission to BTech, DD and BS programs is through the Joint Entrance Examination (JEE)
- jeemain.nic.in, www.jeeadv.ac.in

- Admission to BDes program is through the Undergraduate Common Entrance Examination for Design (UCEED)
- http://www.iitb.ac.in/uceed

JEE

OCT-NOV	APRIL	MAY	JUNE-JULY
Admission Notice	JEE Main	JEE Advanced	Session starts

UCEED

OCT-NOV	JANUARY	FEBRUARY	JUNE-JULY
Admission Notice	UCEED	UCEED results	Session starts

Fees (approximate amounts in INR) for UG programs:

	BTech	BDes	DD	BS
Fees Per Semester	1,25,000	1,25,000	1,25,000	1,25,000

- Fees shown are representative and vary for different categories of students
- A variety of scholarships are available
- Various components of fees and other related information can be viewed at http://www.iitb.ac.in/acad

Tinkerers' Lab
lab that is open 24x7 for students to come, tinker, work on their ideas and projects

Hobby Clubs
Web n Coding, Electronics, Robotics, Aeromodelling, Astronomy, Maths & Physics

Institute Technical Summer Projects (ITSP)
summer projects in technical areas

Outside the class and out of the box!

Student Technical Projects
Multi-disciplinary student teams put their class room learning to practice

General Championships
Inter hostel cultural and sports competitions
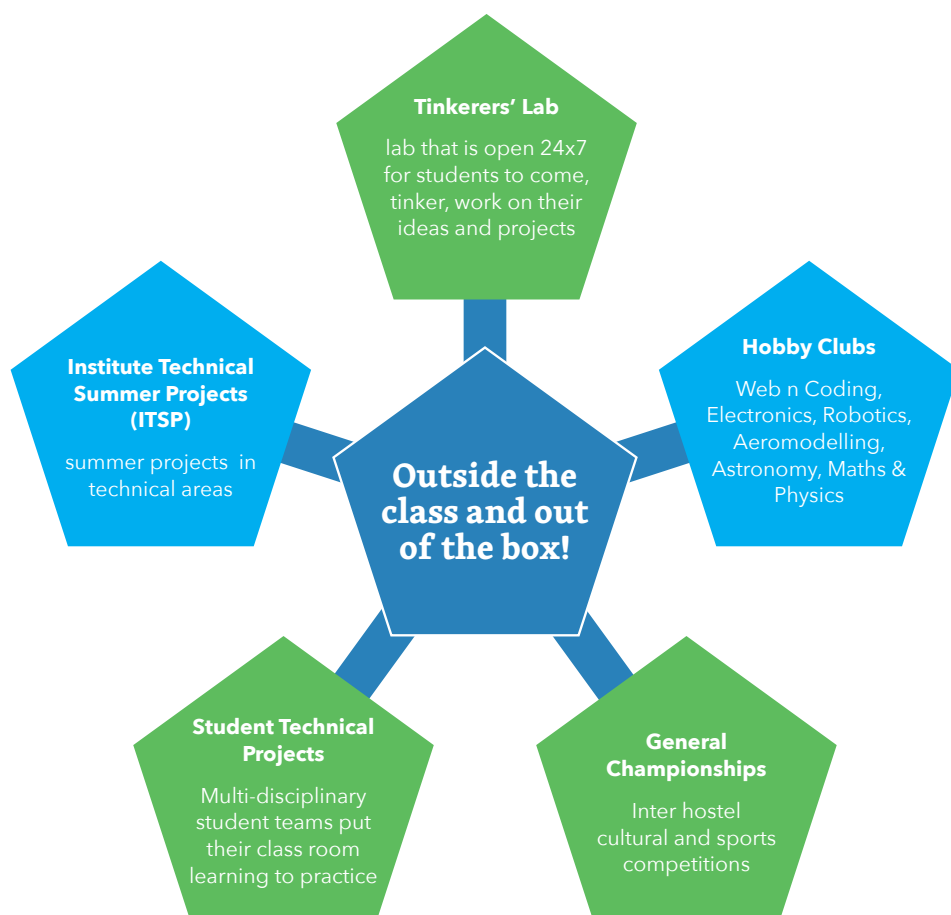
Masters Programs at IIT Bombay

The aim of the program is to provide deeper knowledge to students to enable them to tackle practical problems in industry and society, as well as pursue further research

Dept/Admission Test	MSc (2y) JAM	DD (MSc + PhD, 5-6y) JAM	MTech (2y) GATE
Aerospace Engineering			Aerodynamics, Aerospace Propulsion, Aerospace Structures, Dynamics and Control
Biosci. & Bioengineering	Biotech		Biomedical Engg
Chemical Engineering			Chemical Engg
Chemistry	Chem	Chem	
Civil Engineering			Geotech Engg, Ocean Engg, Remote Sensing, Structural Engg, Transportation Systems Engg, Water Resources Engg, Construction Tech & Mngmt
Computer Science & Engineering			Computer Science & Engineering
Earth Sciences	Applied Geology, App. Geophysics	Applied Geology, App. Geophysics	Geoexploration, Petroleum Geoscience
Electrical Engineering			Communication Engg, Microelectronics, Electronic Systems, Power Electronics and Power Systems, Control and Computing
Energy Sciences & Engineering		Energy Sci. & Engg	Energy Systems Engg
Maths	Applied Statistics & Informatics, Mathematics		
Mechanical Engineering			Manufacturing Engg, Thermal & Fluids Engg, Nuclear Engg, Design Engg
Metallurgical Engineering. & Materials Science			Materials Science, Process Engg, Steel Technology, Corrosion Sci & Engg
Physics	Physics		
Center for Environmental Science & Engineering		Environmental Science & Engg	Environmental Science & Engg
Center of Studies in Resources Engineering			Geoinformatics & Natural Resources Engg
Centre for Technology Alternatives for Rural Areas			Technology & Development
Industrial Engg. & Operations Research		Operations Research	Ind Engg & Ops Research
Systems & Control Engineering			Systems & Control Engg
Interdisciplinary			Materials, Manufacturing and Modelling

	MPhil (2y)	MDes (2y)	MMgmt (2y)	EMBA (18 months)
Dept/Admission Test	**MET, GATE/ UGC-JRF/ UGC-NET**	**CEED**	**CAT**	**For professionals**
Humanities and Social Sciences	Planning and Development			
IDC School of Design		Communication Design, Interaction Design, Animation, Mobility and vehicle design, industrial design		
Shailesh J Mehta School of Management			Management	Management

JAM

SEP-OCT Admission Notice	FEBRUARY JAM	MARCH Declaration of results

GATE

SEP-OCT Admission Notice	FEBRUARY GATE	MARCH Declaration of Results

CEED

AUG-SEP Admission Notice	DECEMBER CEED	MARCH Declaration of Results

CAT

AUG-SEP Admission Notice	DECEMBER CAT	JANUARY Declaration of Results

JAM: Joint Admission test for MSc; www.gate.iitb.ac.in>JAM

CEED: Common Entrance Examination for Design; www.gate.iitb.ac.in/ceed

GATE: Graduate Aptitude Test in Engineering; www.gate.iitb.ac.in

CAT: Combined Admission Test; https://iimcat.ac.in

MET: M.Phil. Entrance Test; Entrance also allowed through GATE/CSIR-UGC NET

- In some of the departments admission is offered to the MTech + PhD (Dual degree) program.
- Students who are admitted to the MTech program can convert to the Dual Degree (MTech + PhD) program. Similarly, it is possible to convert from MSc in some departments to MSc+PhD dual degree and from MPhil to MPhil+PhD dual degree programs.
- Alternative channels of admission available for MTech program.
- For details visit http://www.iitb.ac.in/acad

Fees (approximate amounts in INR) for PG programs

	MSc	DD (MSc + PhD)	MTech	MPhil	MDes	MMgmt
Fees Per Semester	30,000	30,000	30,000	30,000	30,000	2,30,000

- Fees shown are representative and vary for different categories of students
- A variety of scholarships are available
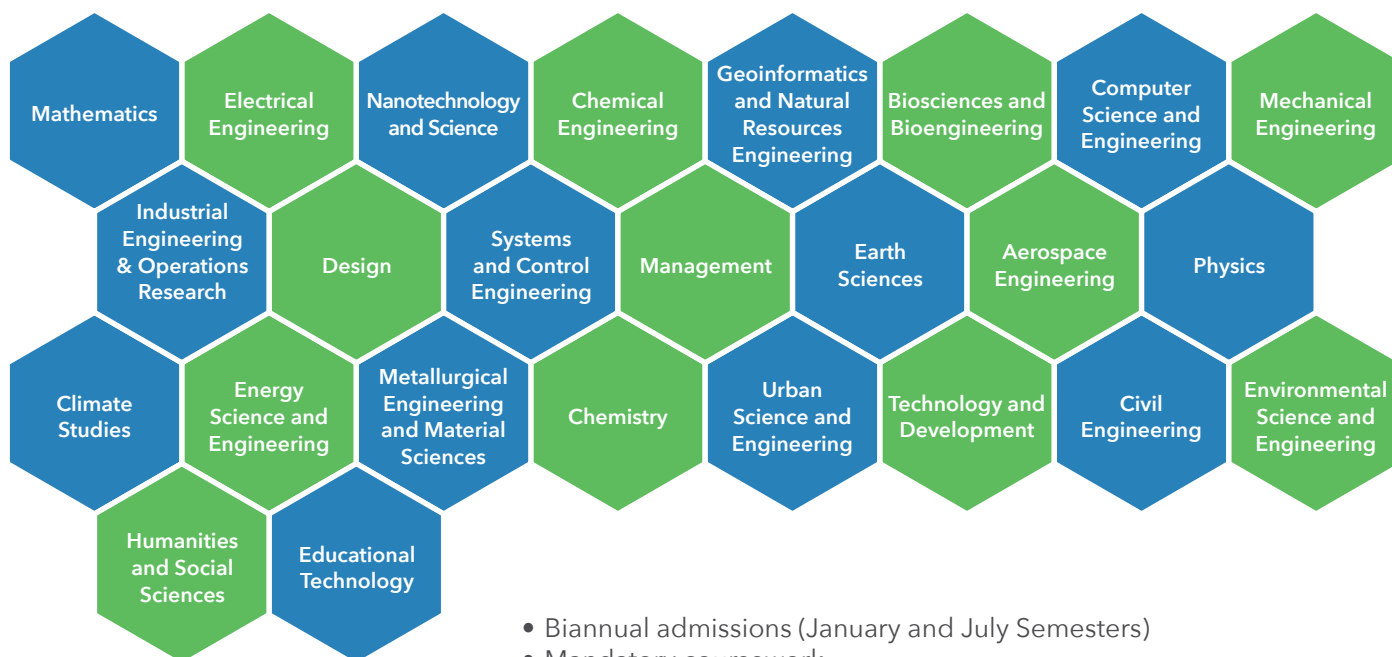- Various components of fees and other related information can be viewed at http://www.iitb.ac.in/acad

Assistantship for MTech, MDes and MPhil students:

	Stipend
Teaching Assistantship (TA, 2y)	Rs. 12,400/month
Research Assistantship (RA, 3y)	Rs. 13,400/month (increment of Rs. 1000 every subsequent year)
Teaching Assistantship through Project (TAP, 2y)	same or higher than TA
Research Assistantship through Project (RAP, 3y)	same or higher than RA

- Govt./Semi.Govt. Fellowships also availables; visit websites of funding agencies for details
- Visit http://www.iitb.ac.in/acad for details

PhD at IIT Bombay

The PhD degree is the highest academic degree awarded by the Institute to recognize contributions that further the boundaries in a field of knowledge. This enables Research Scholars to hold leadership roles in academic and industry, or become entrepreneurs.

Mathematics · Electrical Engineering · Nanotechnology and Science · Chemical Engineering · Geoinformatics and Natural Resources Engineering · Biosciences and Bioengineering · Computer Science and Engineering · Mechanical Engineering

Industrial Engineering & Operations Research · Design · Systems and Control Engineering · Management · Earth Sciences · Aerospace Engineering · Physics

Climate Studies · Energy Science and Engineering · Metallurgical Engineering and Material Sciences · Chemistry · Urban Science and Engineering · Technology and Development · Civil Engineering · Environmental Science and Engineering

Humanities and Social Sciences · Educational Technology

- Biannual admissions (January and July Semesters)
- Mandatory coursework
- Financial assistance provided for participation in national and international conference/symposium
- Admission to PhD programs can be through CSIR (Council for Scientific and Industrial Research) / UGC (Universities Grants Commission)/ GATE (Graduate Aptitude Test in Engineering) entrance examinations
- Admission through other channels also possible
- For details, visit http://www.iitb.ac.in/acad

Fees (approximate amounts in INR) for PhD programs:

	PhD
Fees Per Semester	30,000

- Fees shown are representative and vary for different categories of students
- Various components of fees and other related information can be viewed at http://www.iitb.ac.in/acad

Assistantship for PhD students:

	First 2 years	Next 3 years
FULL-TIME RESEARCH SCHOLAR		
Teaching Assistantship (TA) by MHRD	25000	28000
Teaching Assistantship through Project (TAP)	Same or higher than TA	
Industry Sponsorship	Same or higher than TA	

- Govt./Semi.Govt. Fellowships also available as per norms;Please visit the websites of funding agencies for more details
- Visit http://www.iitb.ac.in/acad for details

DEAN
(Academic Programs)

Indian Institute of Technology Bombay
Powai, Mumbai - 400076, INDIA
Phone: +91 22 2572 2545

dean.ap.office@iitb.ac.in,
www.iitb.ac.in/acad

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