



PhD

Dual  
Degree  
PhD

MDes

Dual  
Degree  
Masters

BTech

BS

MPhil

MBA

MMgmt

BDes

MTech

MSc

DECEMBER 2017



## 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*  
Program duration 4 years  
Design

### BS

*Bachelor of Science*  
Program duration 4 years  
Chemistry, Economics

### BTech

*Bachelor of Technology*  
Program duration 4 years  
Aerospace Engg, Chemical Engg, Civil Engg, Computer Sci & Engg, Electrical Engg, Metallurgical Engineering and Materials Science, Mechanical Engg, Engg Physics

### DD

*Dual Degree Program BTech + MTech*  
Program duration 5 years  
Aerospace Engg, Chemical Engg, Civil Engg, Computer Sci & Engg, Electrical Engg, Energy Sci & Engg, Metallurgical Engineering and Materials Science, 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 by completing additional specialized courses within the parent department
- Minors: Earned by completing additional specialized courses outside the parent department
- Dual Degree program: Upon successful completion of necessary academic requirements, a student is awarded both BTech and MTech degrees
- Interdisciplinary DD : A student admitted in a BTech program of an academic unit can opt for MTech in a specialization of another academic unit thereby earning an Interdisciplinary Dual Degree
- Students are encouraged to take up internships in summer
- Admission to BTech, DD and BS programs is through the Joint Entrance Examination (JEE)
- [jeemain.nic.in](http://jeemain.nic.in), [www.jeeadv.ac.in](http://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



### UCEED





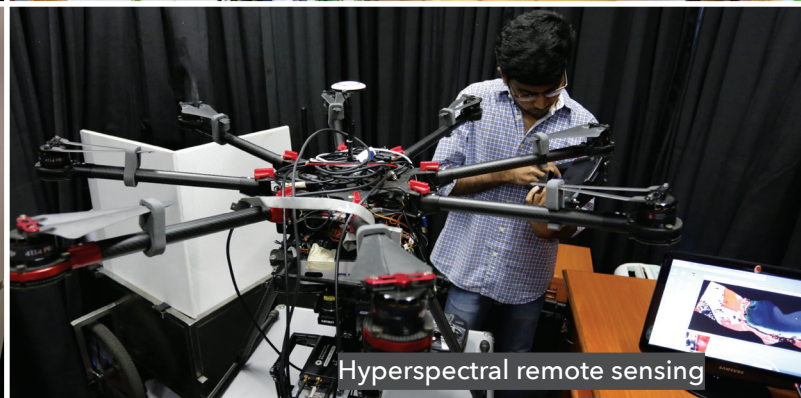
Traffic engineering lab



Shunya - a zero energy building



Mashruwala lab



Hyperspectral remote sensing

### Fees (approximate amounts in INR) for UG programs:

	BTech	BDes	DD	BS
Fees Per Semester	1,15,000	1,15,000	1,15,000	1,15,000

- Fees shown are representative and vary for different categories of students. Excludes admission fees and refundable deposits
- A variety of scholarships are available
- Various components of fees and other related information can be viewed at <http://www.iitb.ac.in/newacadhome/toadmission.jsp>





## Masters Programs at IIT Bombay

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



View from Main Building

PROGRAM	MSc	DD (MSc + PhD)	MTech
DURATION	2YR	5-6YR	2YR
DEPT/ADMISSION TEST	JAM	JAM	GATE
Aerospace Engineering			Aerodynamics, Aerospace Propulsion, Aerospace Structures, Dynamics and Control
Biosciences & Bioengineering	Biotechnology		Biomedical Engg
Chemical Engineering			Chemical Engg
Chemistry	Chemistry		
Civil Engineering			Geotech Engg, Ocean Engg, Structural Engg, Transportation Systems Engg, Water Resources Engg, Construction Tech & Management
Computer Science & Engineering			Computer Science & Engineering
Earth Sciences	Applied Geology, Applied Geophysics		Geoexploration, Petroleum Geoscience
Electrical Engineering			Communication Engg, Microelectronics, Electronic Systems, Power Electronics and Power Systems, Control and Computing
Energy Sciences & Engineering		Energy Sciences. & Engg	Energy Systems Engg
Maths	Applied Statistics & Informatics, Mathematics		
Mechanical Engineering			Manufacturing Engg, Thermal & Fluids 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	Industrial Engg & Operations Research
Systems & Control Engineering			Systems & Control Engg
Interdisciplinary			Materials, Manufacturing & Modelling



PROGRAM	MPhil	MDes	MMgmt	MBA
DURATION	2YR	2YR	2YR	18 months
DEPT/ADMISSION TEST	<b>MET, GATE/ UGC-JRF/ UGC-NET</b>	<b>CEED</b>	<b>CAT</b>	<b>For working professionals</b>
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



## GATE



## CEED



## CAT



**JAM:** Joint Admission test for MSc; [www.jam.iitb.ac.in](http://www.jam.iitb.ac.in)

**CEED:** Common Entrance Examination for Design; [www.gate.iitb.ac.in/ceed](http://www.gate.iitb.ac.in/ceed)

**GATE:** Graduate Aptitude Test in Engineering; [www.gate.iitb.ac.in](http://www.gate.iitb.ac.in)

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

**MET:** M.Phil. Entrance Test; MPhil admission also based on GATE / CSIR-UGC NET performance

- 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, in some departments, it is possible to convert from MSc to MSc+PhD dual degree and from MPhil to MPhil+PhD dual degree programs.
- Students are encouraged to take up internships in summer
- Alternative channels of admission available for MTech program.
- For details visit <http://www.iitb.ac.in/newacadhome/toadmission.jsp>





### Fees (approximate amounts in INR) for PG programs

	MSc	DD (MSc + PhD)	MTech	MPhil	MDes	MMgmt
Fees Per Semester	20,000	20,000	20,000	20,000	20,000	2,15,000

- Fees shown are representative and vary for different categories of students. Excludes admission fees and refundable deposits
- A variety of scholarships are available
- Various components of fees and other related information can be viewed at <http://www.iitb.ac.in/newacadhome/toadmission.jsp>

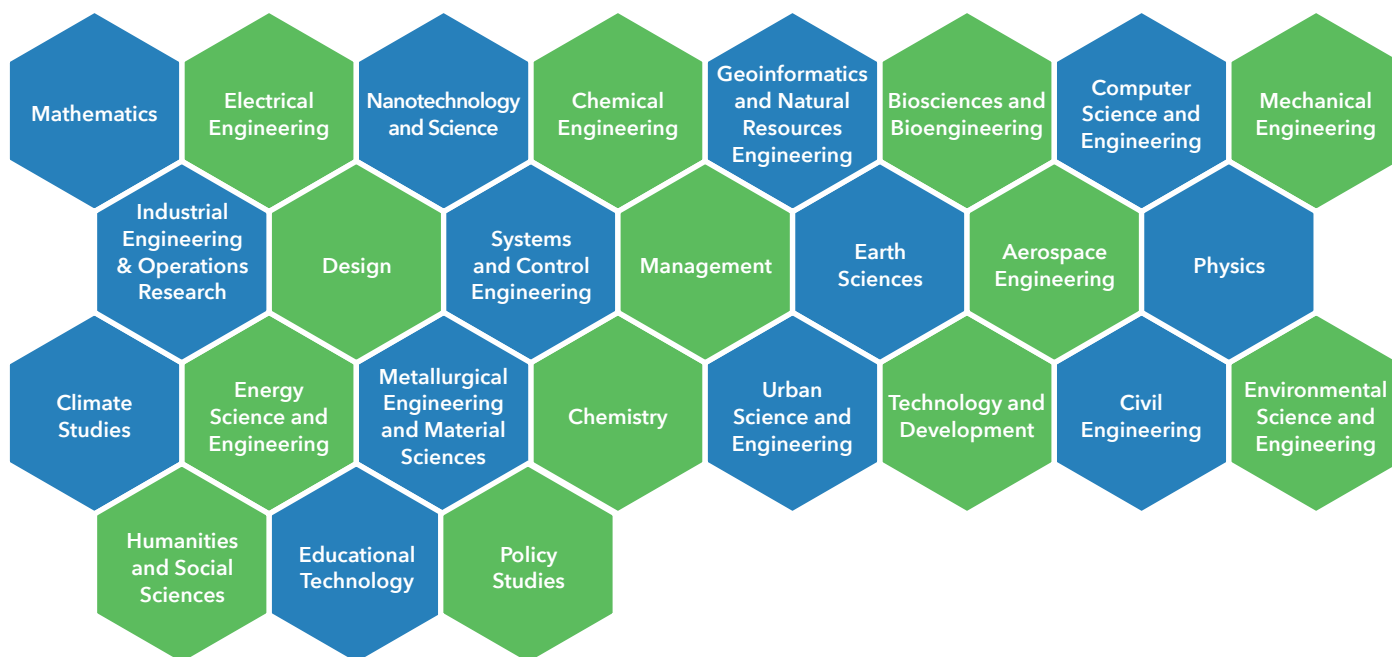
### Assistantship for MTech, MDes and MPhil students:

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

- Govt./Semi-Govt. Fellowships also available; visit websites of funding agencies for details
- Visit <http://www.iitb.ac.in/newacadhome/toadmission.jsp> 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 equips Research Scholars to take up leadership roles in academic and industry, or become entrepreneurs.



- Mandatory coursework
- Program duration is usually 5 years
- 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/newacadhome/toadmission.jsp>

### Fees (approximate amounts in INR) for the PhD program:

	PhD
Fees Per Semester	17,500

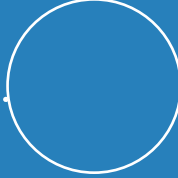
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### Assistantship for PhD students:

	First 2 years	Next 3 years
<b>FULL-TIME RESEARCH SCHOLAR</b>		
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/newacadhome/toadmission.jsp> for details



### DEAN (Academic Programs)

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[www.iitb.ac.in/newacadhome/  
toadmission.jsp](http://www.iitb.ac.in/newacadhome/toadmission.jsp)

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