

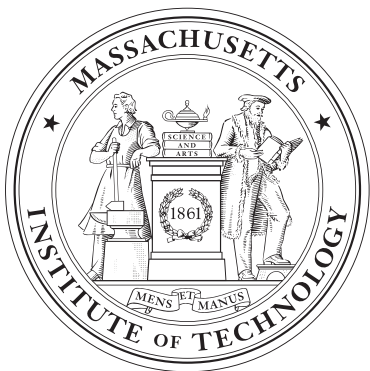


Massachusetts  
Institute of  
Technology

Office of the  
Dean for Graduate Education

# 2015 Graduate Admissions

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Graduate Admissions  
Massachusetts Institute of Technology  
Office of the Dean for Graduate Education  
77 Massachusetts Avenue, Building 35-332  
Cambridge, MA 02139-4307  
617-253-2917 | [mitgrad@mit.edu](mailto:mitgrad@mit.edu)

# Introduction

Massachusetts Institute of Technology is an academic community devoted to undergraduate education, graduate education, and research. We have fostered graduate study and research and awarded advanced degrees since 1872.

MIT has been a consistent national leader in the number of master's and doctoral degrees awarded, and ranks highly in the number of doctorates granted in the physical sciences, biological sciences, economics, and mathematics. In addition, other graduate programs in the social sciences and humanities, management, architecture, and urban studies and planning have gained significant prominence.

Approximately 6,000 graduate students are currently enrolled in degree programs. About 2,000 students enter graduate programs each year with baccalaureate degrees from nearly 250 American colleges and universities, and some 60 foreign countries. More than 190 foreign universities are typically represented. Total applications average about 24,000 per year.

MIT's long tradition of making contributions to knowledge has resulted in extensive resources for graduate study. Graduate students play central roles in all of the Institute's wide-ranging research activities, making a vital contribution to the educational experience of students, faculty and to the success of the research itself.

# Admissions Procedures

## Requirements

At MIT, a regular graduate student is one who is registered for a program of advanced study and research leading to a post-baccalaureate degree. A regular graduate student may concurrently hold an appointment as a research assistant, teaching assistant, or instructor.

To be admitted as a regular graduate student, an applicant must have earned a bachelor's degree or its equivalent from a college, university, or technical school of acceptable standing. Students in their final year of undergraduate study may be admitted on the condition that their bachelor's degrees are awarded before they enroll at MIT.

Applicants are evaluated by the individual department in which they intend to register on the basis of their prior performance and professional promise, as evidenced by their academic records, letters of evaluation from individuals familiar with their capabilities, and any other pertinent data they submit. While high academic achievement does not guarantee admission, MIT expects such achievement or other persuasive evidence of professional promise.

Specific admission requirements vary by department; please consult the catalogue and department or program website for the requirements of individual departments. In general, most departments require significant work in mathematics and the physical sciences in addition to preparation in a specific field of interest, but some admit students with as little as one year each of college-level mathematics and physical science. Students with minor deficiencies in preparation may be admitted, but they must make up prerequisite general or professional subjects before proceeding.

Notification of admission for September is usually sent to applicants before April 1. Most departments inform applicants for January/February and June admission as soon as the review of their applications is complete. For detailed information on how to apply, please see page 23.

## Standardized Tests

*Only official GRE, TOEFL or IELTS score reports are accepted. The MIT reporting code is 3514. Departmental codes, where available, are listed with departmental information beginning on page 4 of this booklet.*

### Graduate Record Examination

Most MIT departments require the Graduate Record Examination (GRE) General Test and an appropriate Subject Test. Please check the departmental listings beginning on page 4 of this booklet for information on the department to which you intend to apply. The fee for the GRE ranges approximately from \$160 to \$190 US.

The General Test is offered only on the computer in the US and in most locations around the world. The computer-based GRE General Test is available year round, and appointments are scheduled on a first-come, first-served basis. Register early to maximize your chances of scheduling your preferred test date and time. To register for the GRE General Test call 1-800-GRE-CALL (800-473-2255) or visit [www.ets.org/gre](http://www.ets.org/gre).

### International English Language Testing System

IELTS exam measures ability to communicate in English across all four language skills – listening, reading, writing, and speaking – for people who intend to study or work where English is the language of communication. Most departments now require this test. Please check the departmental listings beginning on page 4 of this booklet for information on the department to which you intend to apply.

To register for a test, visit <http://www.ielts.org>.

### Test of English as a Foreign Language

Students whose native language is not English may take the Test of English as a Foreign Language (TOEFL). A minimum score of 577 (233 for computer-based; 90 for internet-based) is required for visa certification. Many departments have higher score requirements. See departmental information beginning on page 4 of this booklet. The fee for the TOEFL ranges approximately from \$150 to \$225 US.

To register, visit <http://www.toefl.org/>.

Test deadlines vary by department. Please check with the department to which you are applying for their specific deadlines.

# Degree Information

## Degrees Offered

MIT grants the following degrees:

Doctor of Philosophy, Ph.D.

Doctor of Science, Sc.D.

Engineer's Degree

*(in engineering departments only)*

Master of Architecture, M.Arch.

Master of Business Administration, M.B.A.

Master in City Planning, M.C.P.

Master of Engineering, M.Eng.

Master of Finance, M.Fin.

Master of Science, S.M.

## General Requirements

The master's degree generally requires a minimum of one academic year of study, the engineer's degree two years, and the doctoral degree three or more years beyond a baccalaureate degree in the same field.

### Residency

All MIT graduate degree programs have residency requirements, which reflect academic terms (excluding summer).

Minimum residency requirements are:

Degree	Academic terms required
<b>Ph.D.</b>	<b>4</b>
<b>Sc.D.</b>	<b>4</b>
<b>M.Arch.</b>	<b>7</b>
<b>S.M.Arch.S.</b>	<b>4</b>
<b>M.B.A.</b>	<b>3</b>
<b>M.C.P.</b>	<b>3</b>
<b>Engineer's Degree</b>	<b>2</b>
<b>M.Eng.</b>	<b>1</b>
<b>S.M.</b>	<b>1</b>

### Thesis

All degree requirements include completion of an acceptable thesis prepared in residence at MIT, unless special permission is granted for part of the thesis work to be accomplished elsewhere.

### Engineer's Degree

In the School of Engineering, students may be awarded the engineer's degree. This program provides a higher level of professional competence than is required by the program leading to the master's degree, but less emphasis is placed on creative research than in the doctoral program.

## Doctoral Degrees

A doctoral degree requires the satisfactory completion of an approved program of advanced study and original research of high quality. The Ph.D. and Sc.D. degrees are awarded, interchangeably, by all departments in the schools of engineering and science (except Biology and Brain and Cognitive Sciences) and in the fields of medical engineering and medical physics. The Ph.D. degree is awarded in the departments of Architecture, Biology, Economics, Linguistics, Management, Operations Research, Philosophy, Political Science, Brain and Cognitive Sciences, History, Anthropology, and Science, Technology and Society (HASTS), Media Arts and Sciences, and Urban Studies and Planning. Admission to MIT for the master's degree does not necessarily imply an automatic commitment by MIT beyond that level of study. A few departments require a doctoral candidate to take a "minor" program outside the principal field. Language requirements vary, and some departments require a thorough knowledge of one relevant foreign language or a reading knowledge of two.

# Structure

## Department Affiliation

All graduate students, whether or not they are participating in an interdepartmental program, must have a primary affiliation with and be registered in a single department or the Engineering Systems Division. Every applicant accepted by MIT is admitted through one of the graduate departments. In virtually all cases, financial aid is arranged through individual departments, and a student is awarded a degree only upon the recommendation of his or her specific department.

## Interdepartmental Programs

MIT has a number of established interdepartmental programs, and there are many more opportunities for students to arrange interdepartmental programs with interested faculty members. Current programs include:

- Biomedical Engineering
- Computation for Design and Optimization
- Computational and Systems Biology
- Economics and Urban Studies
- Health Sciences and Technology
- Leaders for Global Operations
- Medical Engineering Medical Physics
- Microbiology
- MIT-Woods Hole Oceanographic Institution (WHOI), Joint Program in Oceanography
- Molecular and Cellular Neuroscience
- Operations Research
- Polymer Science and Technology
- Real Estate Development
- Transportation

The following interdepartmental programs are affiliated with Engineering Systems Division (ESD):

- Leaders for Global Operations
- Supply Chain Management (Center for Transportation and Logistics)
- System Design and Management
- Technology and Policy Program

# Department Information

## Aeronautics and Astronautics, Course XVI

**Room:** 33-202

**Phone:** (617) 253-0043

**email:** aagradinfo@mit.edu

<http://aeroastro.mit.edu>

**Types of degrees offered:**

S.M., Ph.D., Sc.D.,

Leaders for Global Operations - SM/MBA

**Term students can be admitted:**

September

June (Leaders for Global Operations only)

**Application deadline:**

December 15 (*must be completed by*)

**Tests required:**

IELTS: *Minimum score required: 7*

TOEFL: *Minimum score required: 600*

(*250 for computer-based; 100 for internet-based*)

*TOEFL waiver accepted: No*

GRE: *general test required*

*Department code: 1601*

**Areas of research offered:**

Aerospace Computational Engineering

Air-Breathing Propulsion

Aircraft Systems Engineering

Air Transportation Systems

Autonomous Systems

Communications and Networks

Controls

Humans in Aerospace

Materials and Structures

Space Propulsion

Space Systems

**Our students have participated in interdisciplinary study with the following programs:**

Biomedical Engineering

Computation for Design and Optimization

Flight Transportation

Leaders for Global Operations

Technology and Policy Program

System Design and Management

For a complete list of programs, see MIT

Centers, Labs and Programs.

**Special instructions:**

All applicants must use the AeroAstro

specific online application which is on the

MIT Graduate Admissions website. Paper

applications will not be accepted.

## Architecture, Course IV

**Room:** 7-337

**Phone:** (617) 715-4490

**Fax:** (617) 253-8993

**email:** arch@mit.edu

<http://architecture.mit.edu/>

**Types of degrees offered:**

M.Arch., S.M.A.C.T., S.M.B.T.,

S.M.Arch.S., Ph.D.

**Term students can be admitted:**

September

**Application deadline:**

December 31 (*for September admission*)

**Tests required:**

IELTS: *Preferred over TOEFL*

*Minimum score required: 7*

(*7.5 for PhD candidates in*

*History, Theory, and Criticism*)

TOEFL: *Minimum scores required:*

*650 (280 for computer-based, 114 for internet-*

*based) for Ph.D. candidates in History, Theory,*

*and Criticism;*

*600 (250 for computer-based, 100 for internet-*

*based) for all other programs*

*TOEFL waiver accepted: No*

*Department code: 12*

GRE: *Yes (M.Arch, S.M.B.T., Ph.D.*

*in Building Technology, and Ph.D.*

*applicants in History, Theory, and Criticism)*

*Department code: 4401*

**Areas of research offered:**

Architectural Design (S.M.Arch.S)

Architecture and Urbanism (S.M.Arch.S.)

Art, Culture and Technology (S.M.)

Building Technology (S.M., S.M.Arch.S., Ph.D.)

Design and Computation (S.M.Arch.S.

and Ph.D.)

History, Theory, and Criticism of Architecture

(S.M.Arch.S. and Ph.D.)

History, Theory, and Criticism of Art (Ph.D.)

Aga Khan Program for Islamic Architecture

(S.M.Arch.S.)

**Special instructions:**

1) All applicants must use the Architecture specific online application, which is on the MIT Graduate Admissions web site.

2) A scanned PDF of an original transcript (or English translation) from each university should be uploaded in the application. Only those applicants who are accepted for admission will be required to send a hard copy of an official, sealed transcript (with English translation) from each school attended, to: Architecture Graduate Admissions;

77 Massachusetts Ave., Rm. 7-337; Cambridge, MA 02139. Any discrepancy between the scanned transcripts and official transcripts may result in a rejection or withdrawal of our admission offer. Applicants should NOT send any supplemental material with their applications.

3) Some degree programs require a portfolio of design work and/or writing sample (maximum 30 pages). Applicants should follow instructions detailed on the Architecture website under the degree program of their interest.

## Biological Engineering (BE), Course XX

**Room:** 16-267

**Phone:** (617) 253-1712

**Fax:** (617) 253-5208

**email:** be-acad@mit.edu

<http://be.mit.edu>

**Types of degrees offered:**

M.Eng. in Biomedical Engineering

(for MIT undergraduates only)

S.M. in Molecular and Systems Toxicology

(for MIT undergraduates only)

S.M. in Biological Engineering

(Leaders for Global Operations only)

Ph.D., Sc.D. in Biological Engineering

**Terms students can be admitted:**

September

June (Leaders for Global Operations only)

**Application deadline:**

December 15

**Tests required:**

IELTS: *Minimum score required: 7*

GRE: *General test required*

*Department code: 1603*

**Return applications to:**

BE, Room 16-267

**Areas of Research offered for the Ph.D. Degree:**

Biological and Physiological Transport Phenomena

Biological Imaging and Functional Measurement

Biomaterials

Biomolecular Engineering

Biophysics

Cell and Tissue Engineering

Computational Modeling of Biological and Physiological Systems

Discovery and Delivery of Molecular Therapeutics

Energy

Genetic Toxicology

Infectious Disease and Immunology

Macromolecular Biochemistry & Biophysics

Metabolism of Drugs and Toxins

Microbial Pathogenesis

Microbial Systems  
Molecular, Chemical and Environmental  
Carcinogenesis  
Molecular, Cell and Tissue Biomechanics  
Molecular Epidemiology and Dosimetry  
Molecular Pharmacology  
Nanoscale Engineering of Biological Systems  
Neurobiological Systems  
New Tools for Genomics, Functional  
Genomics, Proteomics and Glycomics  
Synthetic Biology  
Systems Biology

**Special instructions:**

Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please complete the section for courses most relevant to this graduate program and the additional courses section. Group courses by subject area, and complete each column.

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## Biology, Course VII

**Room:** 68-120

**Phone:** (617) 253-3717

**Fax:** (617) 258-9329

**email:** gradbio@mit.edu

<http://web.mit.edu/biology/www/graduate>

**Type of degree offered:**  
Ph.D.

**Term students can be admitted:**  
September

**Application deadline:**  
December 1

**Tests required:**

IELTS: *Minimum score required: 6.5*

TOEFL: *Minimum score required: 577*

*(233 for computer-based)*

*TOEFL may be waived by department*

*Department code: 35*

GRE: *general test only*

*Department code: 0203*

**Mailing Address for transcripts:**

Massachusetts Institute of Technology  
Biology Education Office  
77 Massachusetts Avenue, 68-120  
Cambridge, MA 02139

**Areas of research offered:**

Biochemistry  
Bioengineering  
Bioinformatics/Computational Biology  
Cancer Biology  
Cell Biology  
Developmental Biology  
Genetics  
Human Genetics  
Immunology  
Microbiology  
Molecular Medicine and Human Diseases  
Neurobiology  
Physiology  
Plant Molecular Biology

Structural Biology and Biophysics

*MIT-WHOI, Joint Program in Oceanography,  
Course VII-W*

Biological Oceanography

Ecology and Evolution

Marine Biology

Marine Toxicology

Microbiology

Molecular Ecology

**Special instructions:**

Biology requires ALL applicants to use the online application which is on the MIT Graduate Admissions website and the Biology Department website. Applicants should not send published papers, theses, writing samples or other supplemental material with their application. All recommenders must submit online. Applicants to the Department of Biology do not need to complete the Financial Statement form. Applicants to the MIT-WHOI joint program should see MIT-WHOI Joint Program in Oceanography section on page 15 for instructions on application deadline, where to return application, and for all other information. Applicants are NOT required to complete the Record of Courses Taken in Preparation for Graduate Study form.

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## Brain and Cognitive Sciences, Course IX

**Room:** 46-2005Q

**Phone:** (617) 253-7403

**Fax:** (617) 253-9767

**email:** bcs-admissions@mit.edu

<http://bcs.mit.edu>

**Type of degree offered:**  
Ph.D. in Cognitive Science,  
Ph.D. in Neuroscience

**Term students can be admitted:**  
September

**Application deadline:**  
December 1

**Tests required:**

IELTS: *Minimum score required: 7*

TOEFL: *Minimum score required: 577*

*(233 for computer-based; 90 for iBT)*

*IELTS or TOEFL may be waived by department; make request by sending email to*

*bcs-admissions@mit.edu.*

*Department code: 58*

GRE: *general test only*

*Department codes:*

*0213 (Neurosciences)*

*2002 (Cognitive Psychology)*

MCAT: *Only allowed for Harvard MD/PhD*

**Mailing address for Transcripts:**

Massachusetts Institute of Technology  
Department of Brain and Cognitive Sciences  
77 Massachusetts Ave, Building 46-2005Q  
Cambridge, MA 02139-4307

Upload one copy each of transcript(s) from all universities you have attended. If you're admitted to the department, we'll require you to have an official copy of your transcript(s) sent to us from the university's registrar. Your transcript will be verified upon receipt and any discrepancy between the transcript you uploaded and the official transcript will result in a withdrawal of our offer of admission.

**Areas of research offered:**

Cellular and Molecular Neuroscience

Cognitive Science

Computation

Systems Neuroscience

**Special instructions:**

Brain and Cognitive sciences requires ALL applicants to use the online application which is on the MIT Graduate Admissions website. Applicants should not send published papers, theses, writing samples or other supplemental material with their application.

Applicants **are** required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please complete the section for courses most relevant to this graduate program. The additional courses section is not required. Group courses by subject area, and complete each column.

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## Center for Real Estate (CRE)

**Room:** 9-343

**Phone:** (617) 253-4373

**Fax:** (617) 258-6991

**email:** mit-msred\_admissions@mit.edu

<https://gradapply.mit.edu/mitcre.mit/cre>

**Type of degree offered:**  
S.M.

**Term students can be admitted:**  
September

**Application deadline:**  
January 5

**Tests required:**

IELTS: *Minimum score required: 7.5*

TOEFL: *Minimum score required: 100*

*TOEFL waiver accepted: No*

*School code: 3504*

*Department code: 99*

GMAT: *Yes*

*Department code: X5X-W6-19*

**Mailing address for Transcripts:** MSRED Program Admissions, 77 Mass. Ave. Building 9-343, Cambridge, MA 02139  
Applicants to MIT/CRE Program should download additional application instructions/materials at:

<http://mitcre.mit.edu/masters-program/admissions/application>

**Online application is preferred.**

GMAT, TOEFL or IELTS scores must be received by December 31.

*(continued)*

Applicants are NOT required to complete the Record of Courses Taken in Preparation for Graduate Study form.

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## Chemical Engineering, Course X

**Room:** 66-366  
**Phone:** (617) 253-4577  
**Fax:** (617) 253-9695  
**email:** chemegrad@mit.edu  
<http://web.mit.edu/cheme/>

**Types of degrees offered:**  
S.M., Ph.D., Sc.D.

**Terms students can be admitted:**  
September

**Application deadline:**  
December 15

**Tests required:**

Chemical Engineering requires IELTS or TOEFL score reports for any candidate whose native language is not English. This requirement is waived if the candidate has or will earn a BS degree at a US university.

IELTS: Minimum score required: 7

TOEFL: Minimum score required: 600 (250 for computer-based; 100 for internet-based)

IELTS or TOEFL will not be waived by the Department.

GRE: *general test required; subject test in Chemistry or Engineering optional*  
*Department code: 1001*

**Areas of research offered:**

Biochemical Engineering  
Biomedical Engineering  
Biotechnology  
Catalysis and Chemical Kinetics  
Colloid Science and Separations  
Energy Engineering  
Environmental Engineering  
Materials  
Microchemical Systems, Microfluidics  
Nanotechnology  
Polymers  
Process Systems Engineering  
PPST: Program in Polymers, Science and Technology  
Thermodynamics, Statistical Mechanics and Molecular Simulation  
Transport Processes

**Special instructions:**

All applicants must use the Chemical Engineering specific online application. Visit <http://web.mit.edu/cheme/academics/grad/applytogradschool.html> for further instructions.

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## Chemical Engineering Practice, Course X-A

**Room:** 66-366  
**Phone:** (617) 253-4577  
**Fax:** (617) 253-9695  
**email:** chemegrad@mit.edu  
<http://web.mit.edu/cheme/graduate/practice/>

**Types of degrees offered:**  
S.M., Ph.D.C.E.P. (*September admission only*)

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## Chemistry, Course V

**Room:** 6-205  
**Phone:** (617) 253-1845  
**Fax:** (617) 258-0241  
**email:** brighton@mit.edu  
<http://web.mit.edu/chemistry/www/>

**Type of degree offered:**  
Ph.D.

**Term students can be admitted:**  
September

**Application deadline:**  
December 15

**Tests required:**

IELTS: *Preferred*  
*Minimum score required: 7*  
TOEFL: *Minimum score required: 600 (250 for computer-based)*  
*IELTS or TOEFL may be waived by department*  
*Department code: 62*  
GRE: *general test required; subject test recommended*  
*Department code: 0301*

**Areas of research offered:**

Biological Chemistry  
Bio-Organic Chemistry  
Inorganic Chemistry  
Materials  
Organic Chemistry  
Physical Chemistry  
Theory

**Special instructions:**

All applicants must use the online application specific to the Department of Chemistry. This application is available on the MIT Graduate Admissions website and the Department of Chemistry website. The chemistry department encourages that, if possible, you mention in your Statement of Objectives essay, specific faculty whose research is of interest to you.

Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please list science and mathematics courses only. Group courses by subject area, and complete only the columns for course name, academic year, and official grade.

Only official transcripts will be accepted by mail. No other materials will be accepted. An official copy of your transcript should be mailed to: Department of Chemistry, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Room 6-205, Cambridge, MA 02139.

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## Civil and Environmental Engineering, Course I

**Room:** 1-290  
**Phone:** (617) 253-7119  
**email:** cee-admissions@mit.edu  
<http://cee.mit.edu/graduate/admissions>

**Types of degrees offered:**  
M.Eng., M.S.T., S.M., Civil Engineer's Degree, Ph.D., Sc.D.

**Terms students can be admitted:**  
September  
June (Leaders for Global Operations)

**Application deadline:**  
December 15

**Tests required:**

GRE: *general test only*  
*Department codes: 1102 or 1103*

One of the two exams below is required for most non-native English speakers. Check department instructions for specific requirements.

IELTS: *Minimum score required: 7*

TOEFL: *Minimum score required: 100 internet-based (250 for computer-based; 577 for paper-based)*

*Department code: 65 or 46*

**Return applications to:** Department of Civil and Environmental Engineering, Room 1-290

**Areas of research offered:**

**S.M./Ph.D Programs**

**Environmental Science & Engineering**

Environmental Chemistry  
Environmental Fluid Mechanics  
Environmental Microbiology  
Hydrology and Hydroclimatology

**Mechanics**

Geotechnical Engineering  
Geomechanics  
Mechanics of Materials  
Structures

**M.Eng.**

Environmental Water Quality  
Geotechnology  
High Performance Structures  
Transportation

**M.S.T.**

Interdepartmental Program in Transportation

**Joint Programs**

Leaders for Global Operations  
Woods Hole Oceanographic Institute

**Academic Records (Transcripts):**

A PDF copy of an original transcript (in English) from each university should be uploaded to the application portal. Only admitted students will be asked to send an original transcript to:

Civil & Environmental Engineering Admissions

77 Massachusetts Ave. Room 1-290

Cambridge, MA 02139

### Special instructions:

Applicants are expected to use the online application at <https://gradapply.mit.edu/cee>. CEE's application help page is <http://cee.mit.edu/graduate/online-application-help>. Applicants should NOT send any supplemental materials.

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## Comparative Media Studies (CMS)

**Room:** 14N-338

**Phone:** (617) 253-6668

**Fax:** (617) 253-6910

**email:** [cms-admissions@mit.edu](mailto:cms-admissions@mit.edu)

<http://cmsw.mit.edu/education/comparative-media-studies/masters/how-to-apply/>

**Type of degree offered:**  
S.M.

**Term students can be admitted:**  
September

**Application deadline:**  
January 15

**Tests required:**

GRE: *general test required*  
*Department code: 4505*

**International students:**

IELTS: *Minimum score required: 7*  
*CMS does not accept the TOEFL exam.*

**Special instructions:**

Applicants are expected to use the online application. All additional materials should be uploaded to the electronic application. Original transcripts are only required upon acceptance and should be mailed to: Comparative Media Studies Massachusetts Institute of Technology  
77 Massachusetts Avenue, Room 14N-108  
Cambridge, MA 02139-4307

Writing samples are required from all applicants and should consist of an academic research paper or one chapter of a longer project. Non-academic writing, such as journalistic pieces, does not qualify as a writing sample. If the context is not clear, please provide a brief description. If the work represents a collaboration, please explain. Writing samples must be submitted electronically.

Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please list all courses that are relevant to Comparative Media Studies. Group courses by subject area, and complete each column except the one that asks for textbooks used in each course.

Applicants who wish to be considered for

financial aid should identify at least one research group suitable to their background, academic interests, and research goals.  
<http://cmsw.mit.edu/research-groups/>

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## Computation for Design and Optimization (CDO)

**Room:** 35-329

**Phone:** (617) 253-3725

**email:** [cdo\\_info@mit.edu](mailto:cdo_info@mit.edu)

<http://web.mit.edu/cdo-program>

**Type of degree offered:**  
S.M.

**Term students can be admitted:**  
September

**Application deadline:**  
January 10

**Tests required:**

GRE: *general test required; advanced subject test recommended*  
*Department code: 1699*

**International Students:**

*Applicants from non-English speaking countries are required to take the IELTS. CDO no longer accepts the TOEFL exam. A waiver may be considered only under special circumstances.*

**Special instructions:**

All applicants are required to use the unique CDO online application on the MIT Graduate Admissions website, [http://web.mit.edu/admissions/graduate/how\\_to\\_apply/](http://web.mit.edu/admissions/graduate/how_to_apply/). The application will be activated in September. Applicants should *not* send published papers or theses; the only paper documents needed are transcripts.

**Mailing address:**

CDO Administrator, Room 35-329  
MIT, 77 Massachusetts Avenue  
Cambridge, MA 02139-4307

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## Computational and Systems Biology (CSB)

**Room:** 68-230a

**Phone:** (617)324-4144

**Fax:** (617) 253-8699

**email:** [csbphd@mit.edu](mailto:csbphd@mit.edu)

<http://csbi.mit.edu>

**Type of degree offered:** Ph.D.

**Term students can be admitted:**  
September

**Application deadline:**  
December 1

**Tests required:**

*IELTS: Strongly preferred, Minimum score required: 6*

*Most typical successful applicants will have a score of 7 or higher. To have IELTS results reported, indicate CSB Graduate Program, MIT on your*

*IELTS test application. No code or address is needed.*

*TOEFL: Minimum score required: 600 (250 for computer-based; 95 for iBT)*

*GRE: general test required, subject test optional*  
*Department code: 5101 Interdisciplinary Programs*

**Official transcripts should be mailed to:**

CSB Ph.D. Program, Room 68-230a MIT, 77 Massachusetts Avenue Cambridge, MA 02139

**Areas of research offered:**

Biological Design and Synthetic Biology  
Cancer Biology  
Cell and Tissue Engineering  
Computational Biology and Bioinformatics  
Functional Genomics  
Gene and Protein Networks  
Genomics and Proteomics  
Imaging and Image Informatics  
Instrumentation Engineering  
Molecular Biophysics  
Nanobiology and Microsystems  
Neurosystems Biology  
Predictive Toxicology and Metabolic Engineering

**Special instructions:**

Applicants should apply online at: <https://gradapply.mit.edu/csb/apply/login/>

The Subjects Taken Page is optional only if you have attached a pdf of your transcript. Attaching your transcript is strongly preferred for the completion of your application. If no transcript has been attached, this page must be filled in to complete your application and you must follow up with an official transcript sent to the address indicated on the Overview/Help page. Please complete the subjects taken in the following order: Biology, Chemistry, Physics, Math, Engineering/Other Sciences. All other sections are required

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## Earth, Atmospheric, and Planetary Sciences, Course XII

**Room:** 54-912

**Phone:** (617) 253-3381

**Fax:** (617) 253-8298

**email:** [eapsinfo@mit.edu](mailto:eapsinfo@mit.edu)

<http://eapsweb.mit.edu>

**Types of degrees offered:**  
S.M., Ph.D., Sc.D.

**Terms students can be admitted:**

February (*contact department*),

June (*Students admitted for September may start in June.*)

September (*Please note that September is our main admissions period.*)

**Application deadlines:**

November 1 (*for February admission*)

(continued)



January 5 (for June and September admission)

**Tests required:**

IELTS: *Minimum score: 7*

TOEFL: *Minimum score: 600 (250 for computer-based; 100 for internet-based) TOEFL*

*Department codes: 61 (Astronomy), 71 (Geology)*  
IELTS/TOEFL may be waived by the department for those students who will have completed a four-year program of study conducted entirely in English; make request in writing.

GRE: *general test required for all applicants; subject test required in either Chemistry or Physics for the Planetary Science program.*

*Department code: 0599*

**Areas of research offered:**

Atmospheric Science (dynamics, chemistry, and paleoclimate)

Climate Physics and Chemistry (biogeochemical cycles, physical oceanography, climate and paleoclimate)

Geobiology

Geochemistry

Geology

Geophysics

Planetary Sciences

(asteroids, Extra-Solar planets, planetary dynamics, planet history/paleomagnetism)

**Special instructions:**

Applicants must apply online. Paper applications will not be considered. Applicants are required to complete the "Subjects Taken" form. Include all science and mathematics courses, and group the courses by area [i.e. all physics courses together, all chemistry courses together, etc.]. Mathematics is considered an important part of our program. Please list the group with your mathematics courses first. In some instances there will be other courses beyond the sciences that are relevant to your application. If that is the case, please include those courses, listing them at the end. Do not try to convert your university grading scale or GPA to MIT's scale. Enter the grades/GPA as granted by your school.

**Academic Records (Transcripts):**

An original copy of your transcript from each college or university, translated into English, should be uploaded as an attachment in PDF format to your application. No other attachments will be accepted. Hard copies sent via post by an applicant will not be accepted. Only those applicants who are accepted for admission will be required to submit a hard copy of their transcripts. Any discrepancy between the scanned transcripts and official transcripts may result in a rejection or withdrawal of our admission offer.

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**Economics, Course XIV**

**Room:** E19-717

**Phone:** (617) 253-8787

**email:** econ-admit@mit.edu

<http://economics.mit.edu/>

**Type of degree offered:** Ph.D.

**Term students can be admitted:** September

**Application deadline:** December 15

**Tests required:**

IELTS: *Minimum score required: 7*

TOEFL: *Minimum score required: 600 (250 for computer-based; 100 for internet-based)*

*TOEFL waiver granted under special circumstances: See our admissions FAQ for waiver guidelines.*

*Department code: 84*

GRE: *general test required*

*Department code: 1801*

**Return applications to:**

<https://gradapply.mit.edu/economics>

**Special instructions:**

Applicants must apply online. Paper applications will not be considered. Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please list economics and mathematics courses only. Group courses by subject area, and complete each column. You may upload a resume or CV electronically to your application. Hard copies sent via post will not be accepted. Official copies of transcripts should be scanned and uploaded to your online application. When necessary, please have records translated into English. All applicants are required to send by the application deadline, via post, an official, sealed transcript from each school attended. Any discrepancy between the scanned transcripts and official transcripts may result in a rejection or withdrawal of our admission offer. Upon request, mail transcripts to MIT Department of Economics, 77 Massachusetts Ave. Room E19-717, Cambridge, MA 02139.

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**Electrical Engineering and Computer Science, Course VI**

**Room:** 38-444

**Phone:** (617) 253-4603

**Fax:** (617) 258-7354

**email:** grad-ap@eeecs.mit.edu

<http://www.eecs.mit.edu>

**Types of degrees offered:**

M.Eng. (for MIT Undergraduates only), S.M., Engineer's Degree, Ph.D., Sc.D.

**Leaders for Global Operations Program:**

S.M. from E.E.C.S. and M.B.A./S.M. from Sloan

**Terms students can be admitted:**

September (For Regular Admission)

June (Leaders for Global Operations)

**Application deadline:**

December 15

**Tests required:**

IELTS: *Preferred*

*Minimum score required: 7*

TOEFL: *Minimum score required: 100 (250 for computer-based)*

*TOEFL may be waived by department*

*Department code: 78 (Computer Science) 66 (Electrical Engineering)*

GRE: *No (Except for LGO)*

**Areas of research offered:**

Artificial Intelligence

Bioelectrical Engineering

Circuit Design

Communications

Computational Biology

Computer Graphics

Computer Networks

Computer Systems and Architecture

Devices and Materials

Electromagnetic Energy, Fields and Waves

Signal Processing

Systems, Decision and Control

Theoretical Computer Science

**Joint Programs:**

Leaders for Global Operations

Woods Hole Oceanographic Institute

**Special instructions:**

Electrical Engineering and Computer Science requires ALL applicants to use the on-line EECS Graduate Application site which can be accessed from the MIT Graduate Admissions website. The EECS Graduate Application site will be activated in mid-September, is unique to EECS, and is not used by any other department. If you are applying to joint programs and want EECS to be your collaborative department, or if you are applying to a joint program and also want to be considered for regular EECS Ph.D. admission, you should use the online application. Applicants should not send published papers or theses. The only paper documents needed are your transcripts.

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**Engineering Systems Division (ESD)**

Contact the program applying to with any questions.

<http://esd.mit.edu/academics.html>

**Types of degrees offered:**

**Leaders for Global Operations**

S.M. from one of seven participating programs in School of Engineering & M.B.A./S.M. from Sloan (ESD-LGO)

**Supply Chain Management**

Master of Engineering in Logistics

(ESD-SCM)

### **Systems Design & Management**

S.M. in Engineering & Management  
(ESD-SDM)

### **Technology and Policy Program**

S.M. in Technology and Policy (ESD-TPP)

#### **Possible areas of research:**

Aerospace Systems  
Assistive Technologies  
Business Strategy and Entrepreneurship,  
Organizational Learning  
Complex Socio-Technical System Analysis  
Energy and the Environment  
Health Care, Pharmaceutical, and Service  
Industries  
Human-Systems Engineering  
Industrial Relations  
International Relations  
Information Technology, Information  
Systems, Software Engineering  
Logistics and Supply Chain Management  
Manufacturing (economics, materials,  
environmental policy, strategy)  
Materials (systems analysis, environmental  
and economic policy)  
Networks, Distributed Simulation Systems  
Product and Process Design and  
Development, Technical Innovation  
Project Management  
Risk and Safety Analysis, Decision-Making,  
Risk Management  
Science, Space, and Technology Policy  
Social and Organizational Psychology  
System Architecture, Systems Engineering  
Technology Policy  
Technology Policy for Socio-Economic  
Development  
Transportation Systems

### **Engineering Systems Division (ESD)**

<http://esd.mit.edu/academics.html>

[http://esd.mit.edu/academics/apply\\_now2.html](http://esd.mit.edu/academics/apply_now2.html)

#### **Tests required:**

IELTS: *Minimum score required: 7.5*

GRE: *general test required.*

*Minimum score required: Verbal: 550 (450 non-native speakers), Quantitative: 700, Analytical Writing: 4.5*

#### **Special instructions:**

The ESD Graduate Application site will be activated in mid-September, is unique to ESD, and is not used by any other department. If you are applying to the Leaders for Global Operations Joint Programs and want ESD to be your home department you should use this application.

Admitted applicants must also arrange for official transcripts and test scores to be sent to ESD for verification purposes.

### **Leaders for Global Operations (LGO)**

See listing on page 10.

### **Supply Chain Management (SCM)**

See listing on page 15.

### **System Design and Management Program (SDM)**

**Room:** E40-315

**Phone:** (617) 253-1055

**Fax:** (617) 253-1462

**email:** [sdm@mit.edu](mailto:sdm@mit.edu)

<http://sdm.mit.edu>

#### **Term students can be admitted:**

January

#### **Application deadlines:**

September 30

(International Students July 15)

#### **Tests required:**

IELTS: *Minimum score required: 7.5*

GRE or GMAT: *general test required.*

*GRE Minimum score required:*

*Verbal: 550 (450 non-native speakers),*

*Quantitative: 700, Analytical*

*Writing: 4.5; GMAT: 600*

*Department code: 3537*

#### **Return applications to:** ESD-SDM,

Room E40-315

#### **Special instructions:**

SDM requires applicants to complete a special SDM application for admission. The application may be obtained from our website: <http://sdm.mit.edu>. All applicants must complete the on-line SDM Application.

### **Technology and Policy Program (TPP)**

**Room:** E40-369

**Phone:** (617) 258-7295

**email:** [tpp@mit.edu](mailto:tpp@mit.edu)

<http://web.mit.edu/tpp>

#### **Term students can be admitted:**

September

#### **Application deadline:**

December 15

#### **Tests required:**

IELTS: *Minimum score required: 7.5*

GRE: *general test required. Strong candidates for the program typically score in the top 10 percent of all three GRE areas (verbal, quantitative, and analytic writing).*

#### **Special instructions:**

Applicants must apply online. Paper applications will not be considered.

The Technology & Policy Program (part of the Engineering Systems Division) requires applicants to use the online ESD Graduate Application site which can be accessed from the MIT Graduate Admissions website.

Applicants must also arrange for official transcripts and test scores to be sent to TPP for verification purposes.

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### **Harvard-MIT Health Sciences and Technology (HST)**

**Room:** E25-518

**Phone:** (617) 253-3609

**Fax:** (617) 253-6692

**email:** [hst-phd-admissions@mit.edu](mailto:hst-phd-admissions@mit.edu)

<http://hst.mit.edu>

#### **Types of degrees offered:**

Medical Engineering and Medical Physics

(MEMP): Ph.D., Sc.D.

*Please note that HST's programs in Neuroimaging, and Bioastronautics fall within MEMP; candidates interested in these programs should apply to MEMP.*

#### **Term students can be admitted:** September

#### **Application deadline:**

December 15

#### **Tests required:**

MEMP: *GRE general test required*

*Department code: 0699*

IELTS: *Strongly Preferred*

*Minimum score required: 7*

TOEFL: *Minimum score required: 600*

*(250 for computer-based, 100 for internet-based)*

*Department code: 99*

HST requires IELTS or TOEFL score reports for any candidate whose native language is not English. This requirement is waived if the

(continued)

candidate attended a secondary school taught in English.

### **MEMP THROUGH MIT**

Applicants should apply on-line at <https://gradapply.mit.edu/hst>

For detailed instructions, see <http://hst.mit.edu/academics/memp/admissions>

### **MEMP THROUGH HARVARD**

Applicants should apply online at [http://www.gsas.harvard.edu/prospective\\_students/admissions\\_overview.php](http://www.gsas.harvard.edu/prospective_students/admissions_overview.php)  
For detailed instructions, see <http://hst.mit.edu/academics/memp/admissions>

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## **History, Anthropology, and Science, Technology and Society (HASTS)**

**Room:** E51-163

**Phone:** (617) 253-9759

**email:** [hasts@mit.edu](mailto:hasts@mit.edu)

<http://web.mit.edu/hasts/>

**Type of degree offered:**

Ph.D. in History, Anthropology, and Science, Technology and Society (HASTS).

**Term students can be admitted:**

September

**Application deadline:**

December 15

**Tests required:**

IELTS: *Minimum score required: 7*

TOEFL: *Minimum score required: 90 iBT (233 for computer-based; 577 for paper-based) IELTS or TOEFL may be waived by department.*

GRE: *general test required*

*Department code: 2703*

**Special instructions:**

Applicants to History, Anthropology, and Science, Technology and Society (HASTS) are required to submit a writing sample by uploading a PDF in the online application. There are no specific parameters in terms of content, but the length should not exceed that of a chapter or article.

Transcripts should also be scanned and uploaded in the online application. When necessary, please have records translated into English. If you cannot provide scanned documents you should send a notice to [hasts@mit.edu](mailto:hasts@mit.edu) stating the problem.

Applicants who are advanced to the next stage of our admissions process will be required to provide an official, sealed transcript from each school attended.

Applicants are NOT required to complete the

Record of Courses Taken in Preparation for Graduate Study form.

Please see <http://web.mit.edu/hasts/admissions> for more information about submitting your application.

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## **Interdisciplinary Programs**

Division of Health Sciences and Technology (HST), Joint Program with Harvard MIT-WHOI, Joint Program in Oceanography (S.M., Ph.D., Sc.D.)

Leaders for Global Operations (LGO) (dual degree S.M. and M.B.A./S.M. from Sloan School of Management)

Medical Engineering/Medical Physics (MEMP) (Ph.D.) – see HST

Microbiology (MICRO) (Ph.D.)

Operations Research Center (ORC) (S.M., Ph.D.)

Program in Polymer Science and Technology (PPST) (Ph.D.)

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## **Leaders for Global Operations Program**

Applicants to the dual degree Leaders for Global Operations program must apply for admission either through a participating Master's Program of the School of Engineering or through the Master's Program of the Sloan School of Management.

**Room:** E40-315.

**Phone:** (617) 253-1055

**Fax:** (617) 253-1462

**email:** [lgo@mit.edu](mailto:lgo@mit.edu)

<http://lgo.mit.edu>

**Types of degrees offered:**

All LGO students receive an S.M. from the School of Engineering and either an M.B.A. or S.M. from the Sloan School of Management

**Term students can be admitted:**

June

**Tests required:**

If applying through Sloan, the applicant may submit either the GMAT or the GRE.

If applying through the School of Engineering, the applicant must submit the GRE. The applicant should check with the specific engineering department to see if other tests are required.

**Application deadline:**

December 15 (*Regardless of engineering department deadline*)

**Areas of research offered:**

*Manufacturing/operations-focused, through the following participating engineering master's programs:*

Aeronautics and Astronautics

Biological Engineering

Chemical Engineering

Civil and Environmental Engineering  
Electrical Engineering and Computer Science  
Engineering Systems  
Mechanical Engineering

**Special instructions:**

See the LGO website for specific application details: <http://lgo.mit.edu>.

Applicants must apply online through

<http://web.mit.edu/admissions/graduate>.

Paper applications will not be considered.

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## **Linguistics and Philosophy, Course XXIV**

**Room:** 32-D808

**Phone:** (617) 253-4141

**Fax:** (617) 253-5017

**email:** [lp-admissions@mit.edu](mailto:lp-admissions@mit.edu)

<http://web.mit.edu/linguistics/graduate/admissions/>

<http://web.mit.edu/philos/philosophy/admission.html>

**Type of degree offered:** Ph.D.

**Term students can be admitted:**

September

**Application deadline:**

January 2

**Tests required:**

The department of Linguistics and Philosophy will accept TOEFL or the IELTS.

TOEFL: *Minimum score required: 577*

*(233 for computer-based)*

*(90 for internet-based)*

*TOEFL may be waived by department*

*Department codes: 04 (Linguistics)*

*20 (Philosophy)*

IELTS: *Minimum score required: 6.5*

GRE: *general test required for Philosophy Program*

*Department Code: 2804*

*GRE not required for Linguistics Program*

**Areas of research offered:**

Linguistics

Philosophy

**Special instructions:**

Applicants to the Department of Linguistics and Philosophy are required to submit a writing sample as part of their application. Applicants to the Linguistics Program should include copies of one or more research papers or other written work relevant to their application. These papers need not necessarily be about linguistics, but they should demonstrate an applicant's ability to pursue serious scholarly inquiry. Submitting more than one piece of work is especially appropriate for applicants with research experience in multiple relevant areas. Papers, research reports, theses, or insightful solutions to problem sets are all helpful in assessing an application. At least one of the writing samples should be written in English, but submissions in other languages can sometimes

also be reviewed. Please try to limit your writing sample to a maximum of 100 pages in total (less is fully acceptable). If this is impossible (for example, because you wish to include a lengthy undergraduate thesis), please indicate particular sections that you consider especially interesting or representative. Sample research summary (maximum length: 3 pages): In addition to the information about your goals and accomplishments that we can learn from your statement of purpose and writing sample, the Linguistics Program would like to learn more about how you approach scientific questions and puzzles. To this end, your application should also include a short summary of one of the research projects or problems discussed in your writing sample. The summary should cover the following points in a compact and logically transparent way:

1. What questions does your project attempt to answer?
2. Why do you find these questions interesting?
3. How does the project try to answer these questions?
4. What questions remain open (or are likely to remain open) at the conclusion of the project? What might you do next, and why?

As an alternative, you may also propose a project that you have not undertaken, if you have thought about it with enough depth and care to answer the questions listed above. The summary should be understandable and engaging to an educated reader who is not necessarily a specialist in the area of the project. The described project does not need to reflect actual goals or plans for doctoral research (and need not be a project in linguistics).

Applicants to the Philosophy Program should submit a writing sample in philosophy, ideally of 15–25 pages in length. The writing sample should allow us to assess the applicant's understanding of a philosophical problem, and ability to evaluate philosophical arguments. This assessment is usually easier if the writing sample explicitly engages with some of the contemporary philosophical literature.

Applicants to the Linguistics Program are NOT required to complete the Record of Courses Taken in Preparation for Graduate Study form.

Applicants to the Philosophy Program are required to list only relevant texts and authors on the Record of Courses Taken in Preparation for Graduate Study form.

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## Materials Science and Engineering, Course III

**Room:** 6-107

**Phone:** (617) 253-3855

**email:** dmse-admissions@mit.edu  
<http://www-dmse.mit.edu/>

**Types of degrees offered:**  
S.M., Engineer's Degree, Ph.D., Sc.D.

**Terms students can be admitted:**  
September

**Application deadline:**  
December 15 (*must be received by*)

**Tests required:**  
GRE: *general test required*  
*Department code: 1402 (Materials Engineering)*  
*1403 (Materials Science)*

IELTS: *Minimum score required: 7*  
*IELTS may be waived by Department.*  
*The IELTS requirement will only be waived (1) if you have received instruction in English in primary and secondary school or (2) if you have been in the US for three years and will have received a degree from an American institution before entering MIT. Waiver requests will only be reviewed after paid submission of the MIT graduate admissions application. To request a waiver, include a statement in the comments section of the online application. Note that waivers are infrequent, and will not be granted for TOEFL substitution. If the waiver is not approved, you will need to take and submit the IELTS score by mid-January.*

Note: The TOEFL is not accepted.

**Return applications to:**  
Department of Materials Science and Engineering, Room 6-107

**Areas of research offered:**  
Archaeological Materials  
Biological and Polymeric Materials  
Computational Materials Science  
Materials for Energy and the Environment  
Materials Economics and Manufacturing  
Nanotechnology, Nanodevices,  
and Nanomaterials  
Electronic, Photonic, and Magnetic Materials  
High-performance Structural  
Materials and Alloys

*And are complemented by focused programs that include:*  
Program in Polymer Science and Technology  
You can indicate your interest in these focused programs on your application.

**Special instructions:**  
Applicants are NOT required to complete the Record of Courses Taken in Preparation for Graduate Study form.

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## Mathematics, Course XVIII

**Room:** 2-108

**Phone:** (617) 253-2689

**Fax:** (617) 253-4358

**email:** gradofc@math.mit.edu  
<http://www-math.mit.edu/grad/>

**Type of degree offered:**  
Ph.D.

**Term students can be admitted:**  
September

**Application deadline:**  
December 15 (*must be received by*)

**Tests required:**  
IELTS: *Minimum score required: 6*  
TOEFL: *will accept TOEFL iBT (not PBT) in lieu of IELTS.*

GRE: *general and subject test required*  
*Department code: 0703 (Mathematics)*  
*0702 (Applied Mathematics)*  
*0700 (Mathematical Sciences)*

**Special instructions:**  
The Department of Mathematics encourages ALL applicants to use the online application which is on the MIT Graduate Admissions website and will be activated in September. This application is unique to Math and is not used by any other department. Applicants should not send published papers or theses. The only paper documents needed are official transcripts.

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## Mechanical Engineering, Course II

**Room:** 1-112

**Phone:** (617) 253-2291

**Fax:** (617) 258-5802

**email:** megradoffice@mit.edu  
<http://meche.mit.edu>

**Types of degrees offered:**  
S.M., M.Eng (for Master of Engineering in Manufacturing only - not to be confused with the Master of Science in Mechanical Engineering), Naval Engineer, Ph.D., Sc.D., Leaders for Global Operations Program - SM from ME and M.B.A./SM from Sloan.

**Terms students can be admitted:**  
June, September

**Application deadlines:**  
December 15

**Tests required:**  
IELTS: *Preferred*  
*Minimum score required: 7*  
*Waiver accepted: No*  
GRE: *general test required*  
*Department code: 1502*  
TOEFL: (min 100 IBT, 233 cbt, 577pbt)

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**Areas of research offered:**

Applied Mechanics  
 Automotive & Aircraft Engines  
 Biomaterials  
 Biomechanics (LGO only)  
 Biomechanics & Neural Control of Movement  
 Biomedical Engineering  
 Biorobotics  
 Combustion  
 Computational Fluid Dynamics  
 Computational Mechanics  
 Computer-Aided Design/Manufacturing Controls  
 Cryogenics  
 Desalination  
 Design  
 Dynamics  
 Energy and Environmental Sustainability (LGO only)  
 Energy and Power  
 Environmental Engineering  
 Finite Elements  
 Fluid Mechanics  
 Heat and Mass Transfer  
 Human-Machine Systems  
 Instrumentation  
 Internal and External Combustion Engines  
 Management of Technology  
 Manufacturing (LGO only)  
 Materials  
 Mechanical Behavior of Materials  
 Mechanics  
 Mechanics of Materials  
 MEMS and Nanotechnology  
 Micro-Electro-Mechanical Systems  
 Microfluids  
 Ocean Systems Management (LGO only)  
 Optical Engineering  
 Optical Measurement  
 Precision Engineering  
 Robots, Manipulators and Teleoperators  
 Systems Design and Management  
 Technology and Policy  
 Thermodynamics  
 Transportation

*MIT-WHOI, Joint Program in Oceanography, Course II-W*

Hydrodynamics of Vehicles  
 Telepresence  
 Underwater Robotics

**Special instructions:**

The only paper documents needed are your transcripts.

**Center for Ocean Engineering****Degree programs:**

Ocean Engineering  
 Naval Architecture and Marine Engineering

**Areas of research offered:**

Acoustics  
 Applied Mechanics

Computer-Aided Design and Fabrication  
 Environmental Engineering  
 Fluid Mechanics  
 Hydrodynamics  
 Ocean Engineering  
 Structural Mechanics  
 Underwater Vehicle Design  
 Welding Fabrication

*Naval Construction and Engineering*

Naval Engineering  
 Ship Design

*MIT-WHOI, Joint Program in Oceanography*

Environmental Acoustics  
 Oceanography

**Media Arts and Sciences (MAS)**

**Room:** E15-435D

**Phone:** (617) 253-5114

**Fax:** (617) 253-8542

**email:** [mas@media.mit.edu](mailto:mas@media.mit.edu)

<http://www.media.mit.edu/mas>

**Types of degrees offered:**

S.M., Ph.D.

**Term students can be admitted:**

September

**Application deadline:**

December 15

**Tests required:**

All applicants from non-English speaking countries must take the IELTS exam; TOEFL is not accepted.

IELTS: Minimum score required: 7

Department code: 3514

IELTS can be waived by the department

under certain circumstances (1) if you have received instruction in English in primary and secondary school or (2) if you have been in the US for three years and will have received a degree from an American institution before entering MIT. Requests should be made in writing well in advance of the application deadline. By December 1.

GRE: No

**Special instructions:**

1) Applicants must specify three faculty with whom they are applying to work. A list of faculty groups who are admitting students can be found at <http://www.media.mit.edu/mas/admissions/research-groups>

2) Portfolios (containing publications, theses, awards, designs and other work) should be submitted as a URL in the appropriate field in the application.

3) All supplemental materials should be submitted using the online application system. Hardcopies are not accepted.

**Microbiology (MICRO)**

**Room:** 68-139

**Phone:** (617) 324-0055

**Fax:** (617) 253-8699

**email:** [microbiology@mit.edu](mailto:microbiology@mit.edu)

<http://microbiology.mit.edu>

**Types of degrees offered:**

Microbiology Ph.D.

**Term students can be admitted:** September

**Application System Opens:** October 1

**Application deadline:** December 1

**Applicants apply on-line at:**

<https://gradapply.mit.edu/microbiology/apply/login>:

For fullest consideration, it is in your best interest to complete ALL parts of the application including applicable data entry fields and attaching required transcript(s), test score documents, all evaluation letters, and the application fee, by or before the deadline of December 1st. Incomplete applications may not be reviewed. The scanned and attached copies of your transcript(s), GRE and IELTS/IELTS scores are considered unofficial, but are sufficient for review purposes. Official documents will be required before a positive admissions decision can be made. To avoid delay, have all your official test scores transmitted electronically to MIT Admissions before the December 1st deadline.

**Tests required:**

GRE: *general test required,*

*Department code: 0212*

*GRE Subject test optional*

IELTS: *Minimum score required: 6; most applicants should have scores of 7 or higher. To have IELTS results reported, indicate Microbiology Graduate Program, MIT on your IELTS test application. No code or address is needed.*

**Official transcripts should be mailed to:**

Microbiology Graduate Program,  
 Room 68-139

**Areas of research offered:**

Biochemical, Chemical, and Structural  
 Microbiology

Bioenergy and Metabolic Diversity

Bioinformatics and Computational

Microbiology

Ecology and Environmental/

Geomicrobiology

Evolution

Genetics and Physiology  
Genomics and Systems Microbiology  
Immunology and Host-Microbe Interactions  
Metabolic Engineering and Biotechnology  
Microbial Oceanography  
Molecular and Cellular Microbiology  
Virology and Phage Biology

**Special instructions:**

The Subjects Taken Page is optional only if you have attached a pdf of your transcript. Attaching your transcript is strongly preferred for the completion of your application. If no transcript has been attached, this page must be filled in to complete your application and you must follow up with an official transcript sent to the address indicated on the Overview/Help page. Please complete the subjects taken in the following order: Biology, Chemistry, Physics, Math, Engineering/Other Sciences.

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**MIT-Woods Hole Oceanographic Institution (WHOI), Joint Program in Oceanography/ Applied Ocean Science and Engineering**

**Room:** 54-911  
**Phone:** (617) 253-7544  
**Fax:** (617) 253-9784  
**email:** mit-who-www@mit.edu  
<http://mit.who.edu>

**Types of degrees offered:**

Ph.D., Sc.D. (S.M. for US Navy applicants only)

**Terms students can be admitted:**

June, September

**Application deadlines:**

January 5

**Tests required:**

**IELTS:** Minimum score required: 7

**TOEFL:** Minimum score required: 90; for

applicants to EECS/Joint Program: 100

TOEFL may be waived by department under certain circumstances. Make request in writing well in advance of application deadline.

Department code: 75

**GRE:** general test required of all applicants.

Department code: 0508

**Special instructions:**

All applicants are required to use the online application, which can be found at <https://gradapply.mit.edu/who/apply/>

Official transcripts should be scanned and uploaded to the online application.

Applicants must complete the Record of Subjects Taken

**Areas of research offered:**

*Main areas of research:*

Applied Ocean Science and Engineering  
Biological Oceanography  
Chemical Oceanography  
Marine Geology and Geophysics  
Physical Oceanography

Please also see descriptions of interdisciplinary areas of research within the Departments of Civil/Environmental Engineering, Mechanical Engineering, Biology, and Earth, Atmospheric and Planetary Sciences.

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**Nuclear Science and Engineering, Course XXII**

**Room:** 24-102

**Phone:** (617) 253-3814

**email:** cegan@mit.edu

<http://web.mit.edu/nse/>

**Types of degrees offered:**

S.M., Engineer's Degree, Ph.D., Sc.D.

**Terms students can be admitted:**

June, September

**Application deadline:**

December 15

**Tests required:**

IELTS: *Minimum score required: 7*

TOEFL: *Minimum score required: 577*

*(233 for computer-based; 90 for internet-based)*

*TOEFL waiver accepted: No*

*Department code: 69*

*All international students must take either the*

*TOEFL or the IELTS.*

GRE: *general test required*

*Department code: 1609*

**Areas of research offered:**

Fission Reactor and Fuel Cycle Engineering

Fusion and Plasma Physics (theory/computation)

Fusion and Plasma Physics (experiment/engineering)

Materials (theory/computation and experiment)

Quantum Engineering

Accelerators, Detectors & Nuclear Security

Nuclear Technology Management and Policy

**Special instructions:**

Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please complete the section for courses most relevant to this graduate program and the additional courses section. Group courses by subject area, and complete each column.

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**Center for Ocean Engineering**

For details, see Mechanical Engineering on page 11.

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**Operations Research (OR)**

**Room:** E40-149

**Phone:** (617) 253-3601

**Fax:** (617) 258-9214

**email:** [rose@mit.edu](mailto:rose@mit.edu)

<http://web.mit.edu/orc/www/>

**Types of degrees offered:**

S.M., Ph.D.

**Term students can be admitted:**

September

**Application deadline:**

December 15

**Tests required:**

*All international students applying to the Operations Research Center are required to take either the TOEFL or IELTS.*

*IELTS: Minimum score required: 7*

*TOEFL: Minimum score required:*

*(250 for computer-based; 100 for internet-based)*

*GRE: general test required*

*Department code: 1302*

**Special instructions:**

1) All applicants must use the OR specific online application which is found on the MIT Graduate Admissions website. The OR Graduate Application will be activated in mid September. Paper applications will not be considered. 2) Applicants should not send published papers and/or other supplemental materials with their application. CVs or resumes can be uploaded to the application (hard copies will not be accepted). 3) Official copies of transcripts from each university should be scanned and uploaded as a PDF file to your online application. In addition, applicants must arrange for official transcript (one copy) to be sent to Graduate Admissions, OR Center/ MIT, 77 Massachusetts Avenue, E40-107, Cambridge, MA 02130. 4) Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please complete the section for courses most relevant to the OR program. Group courses by subject area, and complete only the columns for course name, academic year, and official grade.

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## Physics, Course VIII

Room: 4-315

Phone: (617) 253-4851

Fax: (617) 258-8319

email: physics-grad@mit.edu

<http://web.mit.edu/physics/graduate/applicants>

### Types of degrees offered:

S.M., Ph.D.

### Terms students can be admitted:

February, September

### Application deadlines:

November 1 (*for February admission*)

December 15 (*for September admission*)

### Tests required:

*An English language exam (IELTS, TOEFL, TOEFL iBT, or the C2 Cambridge English Proficiency exam) is required of all applicants who are citizens of a country in which English is not the primary language.*

IELTS: *Minimum score required: 7*

TOEFL: *Minimum score required: 600 (250 for computer-based; 100 for internet-based)*

IELTS or TOEFL may be waived by department.

GRE: *general and subject test required*

*Department code: 0808*

### Special instructions:

All applicants are required to use the online application, which can be found on the MIT Graduate Admissions Website. Official transcripts should be scanned and uploaded to your online application. You must provide one copy of the official academic transcript from each college you have attended. All additional supporting documents should also be sent electronically. Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please list physics, mathematics, and other science courses only; group courses by subject area, and complete each column. Applicants are required to list courses taken at MIT.

### Areas of research offered:

#### *Experimental*

Astrophysics, Space and Planetary Physics

Atomic and Optical Physics

Biophysics, Medical Physics

Condensed Matter Physics

High Energy and Nuclear Physics

Quantum Information Science

Plasma Physics, Nuclear Fusion Research,

Relativistic Beam Physics

#### *Theoretical*

Astrophysics, Space and Planetary Physics

Atomic and Optical Physics

Biophysics

Condensed Matter Physics

High Energy and Nuclear Physics

Quantum Information Science

Plasma Physics, Nuclear Fusion Research,

Plasma Astrophysics

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## Political Science, Course XVII

Room: E53-467

Phone: (617) 253-8336

Fax: (617) 258-6164

email: twarog@mit.edu

<http://web.mit.edu/polisci/>

### Types of degrees offered:

S.M., Ph.D.

### Term students can be admitted:

September

### Application deadline:

December 15

### Tests required:

TOEFL: *Minimum score required: 600*

*(250 for computer-based; 100 for internet-based)*

*Department code: 92*

*Degrees from US or English-speaking universities are not accepted in lieu of TOEFL or IELTS.*

*In limited cases the department will consider a waiver. Applicants must request the waiver form from the department.*

IELTS: *Minimum score required: 7*

GRE: *general test required*

*Department code: 1902*

### Special instructions:

Applicants to the Department of Political Science must apply online for either the S.M. Program or the Ph.D. Program. In addition to the Statement of Objectives, applicants must submit a separate writing sample of 5–15 pages. Writing samples should be uploaded as PDF attachments to the online application. Please list only those courses that are relevant to your proposed course of study under Subjects Taken.

### Academic Records (Transcripts):

Official transcripts should be scanned and uploaded as PDF attachments to the online application. Accepted applicants will be required to provide an official sealed transcript from each college attended.

### Areas of research offered:

American Politics

Comparative Politics

International Relations and Foreign Policy

Models and Methods

Political Economy

Security Studies

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## Program in Polymer Science and Technology (PPST)

Room: 3-435

Phone: (617) 253-0949

Fax: (617) 258-0546

email: ppst-www@mit.edu

<http://web.mit.edu/ppst>

### Types of degrees offered:

Ph.D., Sc.D.

### Terms students can be admitted:

February (exceptional circumstances)

September

### Application deadlines:

October 1 (*for February admission*)

January 15 (*for September admission, some department admissions deadlines may be earlier*)

### Tests required:

Refer to the “Home” department’s (see below) requirement for GRE and TOEFL.

### Special instructions:

Applications to the Program in Polymer Science and Technology should be made in conjunction with an application to a departmental program in the School of Science or School of Engineering at MIT (the “Home” department). Applications should specify the departmental program of the application and “PPST” or “Program in Polymer Science and Technology” as the interdisciplinary program of study. Original applications should be filed according to the normal procedures for the relevant departmental program, and a copy of the application should be sent to PPST Admissions, Room 66-370. Only one application fee is required. Admission to the departmental program is a prerequisite for further consideration by PPST; once the candidate has been accepted to a department, his or her application will be forwarded by that department to the PPST office for consideration.

Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please complete the section for courses most relevant to this graduate program and the additional courses section. Group courses by subject area, and complete each column.

**Return applications to:** Department of choice (see Special Instructions).

### Areas of research offered:

Biodegradable Polymers

Biopolymers and Biomaterials

Colloids and Surfactants

Functional Polymers

High Performance Polymers

Liquid Crystalline Polymers

Polyelectrolytes

Polymer Chemistry

Polymer Mechanics

Polymer Modeling

Polymer Physics

Polymer Processing

Polymer Rheology

Polymer Statistical Mechanics

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## Science Writing, Course XXI-W

Room: 14N-338

Phone: (617) 253-6668

Fax: (617) 253-6910

email: [sciwrite-www@mit.edu](mailto:sciwrite-www@mit.edu)  
[sciwrite.mit.edu](http://sciwrite.mit.edu)

Type of degree offered: S.M.

Term students can be admitted:  
September

Application deadline:  
January 15

### Tests required:

IELTS: *Minimum score required: 7.5*

or

TOEFL: *Minimum score required: 600*  
*(250 for computer-based)*

GRE: *general test required*  
*Department code: 4599*

### Special instructions:

Departmental application supplement required. Please visit <http://sciwrite.mit.edu/program-information/how-to-apply> for instructions. Applicants are expected to use the online application.

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## Sloan School of Management, Course XV

Please see the Sloan School of Management website at <http://mitsloan.mit.edu/academic> for information on the following programs:

Biomedical Enterprise  
Executive M.B.A.

Leaders for Global Operations (LGO)

Master of Business Administration, M.B.A.

Master of Finance, M.Fin.

Master of Science in Management Studies  
Ph.D.

Sloan Fellows in Innovation and Global  
Leadership

System Design and Management (SDM)

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## Supply Chain Management (SCM)

Applicants to the SCM Program will find complete information about applying on the web at: <http://scm.mit.edu>

Room: E40-359

Phone: (617) 324-6564

email: [scm@mit.edu](mailto:scm@mit.edu)

### Types of degrees offered:

Master of Engineering in Logistics (SCM)

Term students can be admitted:  
September

### Application deadlines:

Round 1 – November 15

Round 2 – February 1

Round 3 – April 1

### Tests required:

IELTS: *Minimum score required: 7.0*

GRE or GMAT: *general test required.*

*Minimum score required:*

*The admissions committee expects successful applicants will meet or surpass the seventy-fifth percentile (75%) in both verbal and quantitative, and the fiftieth percentile (50%) in analytical writing.*

*GRE Institute code: 3514*

*GRE Department code: 4313*

*GMAT code: X5X-QS-17*

Return applications to: Supply Chain  
Management Admissions Office, Room E40-  
359

### Special instructions:

See the SCM website for specific application details. Applicants must apply online. Paper applications will not be considered.

Applicants must also submit a current resume and an essay. Three evaluations are required; we recommend one from a professor and two from supervisors.

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## System Design and Management Program (SDM)

For program details, see Engineering Systems  
Division, page 9.

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## Technology and Policy Program (TPP)

For program details, see Engineering Systems  
Division, page 9.

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## Urban Studies and Planning, Course XI

Room: 7-346

Phone: (617) 253-9403

Fax: (617) 253-2654

email: [dusppply@mit.edu](mailto:dusppply@mit.edu)

<http://dusp.mit.edu>

### Types of degrees offered:

M.C.P., S.M., Ph.D.

Term students can be admitted:  
September

Application deadline:  
January 3

### Tests required:

IELTS: *Minimum score required: 7*

TOEFL: *Minimum score required:*

*100 for internet-based; 600 for paper-based*

*TOEFL waiver accepted: No*

*Department code: 97*

GRE: *general test required*

*Department code: 2205/4402*

*M.C.P. no minimum*

*Ph.D. minimum score required: 308 (V&Q)  
combined; 5.0 analytical writing*

### Special instructions:

The only paper documents required are official test scores and official transcripts mailed to: MIT Department of Urban Studies & Planning DUSP Admissions  
77 Massachusetts Avenue, Room 7-346  
Cambridge, MA 02139-4307

### Special instructions for the S.M. degree:

Under special circumstances, admission may be granted to candidates seeking a one-year Master of Science (S.M.) degree. The S.M. is intended for professionals with at least seven years of distinguished practice in city planning or related fields.

The Department requires a letter from a DUSP faculty member indicating their willingness to advise their thesis. (This may be one of the three letters of recommendation required as part of the application.)

### Special instructions for PhD applicants:

All applicants should indicate their first choice program group in the application. In the event your research spans two program groups, and you would like your application to be considered by both groups, you should indicate your first and second choice groups at the top of your Statement of Purpose and then discuss the cross-cutting nature of your research and studies in your essay.

### Program groups offered:

City Design and Development

Environmental Policy Program

Housing, Community and Economic  
Development

International Development Group

Transportation\*

*Although we do not have a separate Program Group focusing on issues of transportation, many DUSP students choose this as an area of focus. Applicants with particular interest in*



*transportation should indicate this on their application, but should also specify a Program Group (for example, "HCED/ transportation").*

#### Urban Information Systems\*

*Only Ph.D applicants may designate Urban Information Systems (UIS) as the primary group. MCP applicants with a particular interest in computing and technology should select Urban Information Systems as the secondary program group (for example, "CDD/UIS").*

# The Campus

## Research Facilities

The Institute's research facilities are generally available to all MIT students, regardless of specific degree program, who have legitimate academic needs to use them. Among these facilities are:

Bates Linear Accelerator  
Biotechnology Process Engineering Center  
Francis Bitter National Magnet Laboratory  
Cell Culture Center  
Center for Advanced Engineering Study  
Center for Advanced Nuclear Energy Systems  
Center for Advanced Visual Studies  
Center for Biological and Computational Learning  
Center for Cancer Research  
Center for Computational Research in Economics and Management Science  
Center for Construction Research and Education  
Center for Global Change Science  
Center for Health Effects of Fossil Fuels Utilization  
Center for Information Systems Research  
Center for International Studies  
Center for Materials Research in Archaeology and Ethnology  
Center for Materials Science and Engineering  
Center for Real Estate  
Center for Technology, Policy and Industrial Development  
Center for Transportation and Logistics  
Clinical Research Center  
Computer Science and Artificial Intelligence Laboratory  
Energy Laboratory  
George Russell Harrison Spectroscopy Laboratory  
Harvard-MIT Center for Biomedical Engineering  
Innovation Center  
International Food and Nutrition Program  
Joint Center for Urban Studies of MIT and Harvard University  
Kavli Center for Space Research  
Laboratory of Architecture and Planning  
Laboratory for Electromagnetic and Electronic Systems  
Laboratory for Information and Decision Systems  
Laboratory for Manufacturing and Productivity  
Laboratory for Nuclear Science  
Lincoln Laboratory (research and development in advanced electronics)

McGovern Institute for Brain Research  
Materials Processing Center  
Media Laboratory  
Microsystems Technology Labs  
Mining and Mineral Resources Research Institute  
Nuclear Reactor Laboratory  
Picower Institute for Learning and Memory  
Plasma Science and Fusion Center  
Research Laboratory of Electronics  
Sea Grant College Program  
Stroboscopic Light and Pulsed Sonar Laboratory  
Technology Adaptation Program  
George R. Wallace, Jr. Astrophysical Observatory  
George R. Wallace, Jr. Geophysical Observatory

## Housing Services

Graduate students at MIT are entering a tight housing market whether they are looking for accommodations on campus or in the surrounding Boston/Cambridge area. Many new students, both single and married, must find apartments off campus, often in suburbs up to ten miles away, where there is greater variety and availability than in the neighborhoods near MIT. The Housing Office at MIT helps students with the housing search and keeps an up-to-date list of available units. In addition, MIT gives preference to new students when assigning on-campus housing. Most new single students requesting on-campus housing can be accommodated; family housing, however, is severely limited. Detailed housing information and application forms are available online through the Housing Office website at <http://housing.mit.edu/>.

### On-campus housing and services for married students

While approximately half of MIT's 6,000 graduate students are married, there are only 407 family units on campus. Most of these are located in two tower apartment complexes; a few are in three-story walk-ups intended for families with young children. All units have readily available parking, and community facilities. Day care and preschool facilities are available in each family building which are open to the children of students whether they live on campus or off campus. Assignments to on-campus family apartments are made through an extremely competitive lottery.

### On-campus housing for single students

Single students may apply for housing in five on-campus facilities with a total capacity of about 2,000 - less than half the number of single graduate students. Ashdown House, a graduate dormitory housing men and women, consists primarily of one- and two-person rooms, typically arranged as suites for four or five students. The single rooms are not available to entering students. Tang Hall is a tower apartment building that accommodates 404 first-year graduate men and women, with apartments containing individual bedrooms for two, three, or four students. One hundred ninety graduate students live in Edgerton House, which has efficiency units through four-bedroom apartments and duplexes; one-third of the spaces in this building are reserved for new students. 224 Albany Street (also known as the Warehouse and NW30) houses 85 new men and women in efficiency apartments for 9 months of the year (September to May); there are a few spaces available in the summer through a lottery. Sidney-Pacific houses 700 men and women in efficiency, 2-bedroom and quad occupancy 2-bedroom apartments. 40% of the spaces in this facility are reserved for new students. Rooms in Ashdown House, Tang Hall, 224 Albany Street and Sidney-Pacific are furnished; the apartments in Edgerton are unfurnished except for refrigerators and electric ranges. Rooms modified for handicapped students are available in all these buildings. Complete information is available online at <http://housing.mit.edu/>.

### Health and Counseling Services

The MIT Student Health Program consists of on-campus medical services, covered by a mandatory student health fee which is included in the tuition, and of hospital and accident insurance, for which all students are enrolled unless they demonstrate that they have equivalent coverage through another insurance program. Additional coverage is available for spouses and dependents.

Prior to matriculation, all new students must complete a Medical Report with required immunizations and tests.

MIT offers many sources of academic and personal counseling, including departmental

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# For International Students

faculty advisors, deans, international student advisors, religious counselors, the Career Planning and Placement Office, and the Medical Department.

## Student Activities

Graduate students at MIT find a community with wide extracurricular interests and many opportunities to enjoy them. More than 100 student-directed activities are supported by excellent facilities and a capable staff to help students acquire new skills and participate actively in campus life. MIT offers a rich program of lectures, music, drama, athletics, and clubs, augmented by the abundant cultural activities found throughout Boston and Cambridge.

MIT's intramural and club athletic programs are open to graduate students, who enjoy sports including badminton, basketball, bowling, cricket, cross-country, cycling, touch football, golf, hockey, ice skating, judo, karate, riflery, rugby, sailing, rowing, softball, squash, swimming, tennis, table-tennis, track, volleyball, water polo, weight lifting, white-water canoeing, and wrestling. All of the many art, drama, music, and religious activities welcome graduate students as active participants.

The Graduate Student Council (GSC) is an elected body whose membership includes graduate student representatives of all departments, graduate living groups, and international students. The GSC is concerned primarily with promoting the general welfare of graduate students and providing a forum for their ideas and suggestions. It encourages social, athletic, cultural, and other extracurricular activities, fostering closer relations between graduate students and faculty both inside and beyond formal academic contexts. The Council has two student representatives on the Committee on Graduate Programs, the faculty body responsible to the administration of the Graduate School, and it also selects graduate student representatives for many other MIT committees.

## English Language Proficiency

English is the language of instruction in all subjects within the Institute, and all papers and theses must be written in English.

All applicants whose first language is not English, including those currently enrolled in US institutions, must present evidence of their ability to carry on their studies in English. Qualifying applicants must take either the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS). **The IELTS exam is preferred at MIT.** A minimum TOEFL score of 577 (233 computer-based; 90-91 internet-based) is required by the Institute; however, some departments require higher scores. The minimum IELTS score required is determined by the department. Refer to department information for testing requirements. Scores below minimum may result in the withholding of the visa documentation for a candidate otherwise considered admissible.

Students who have received instruction in English in their primary and secondary schools and students who have been in the US for four years or longer and have received a degree from an American institution may be eligible for a waiver of the English proficiency exam requirement by sending a written request to the department or program to which they are applying. (The departments of Aeronautics and Astronautics, Architecture, Chemical Engineering, Economics, Mechanical Engineering, Nuclear Science and Engineering, Urban Studies and Planning, and Media Arts and Sciences do not grant waivers.)

In addition to the TOEFL/IELTS, all students whose first language is not English are required to take the English Evaluation Test (E.E.T.) at MIT during the week prior to Registration Day. This examination is a diagnostic test whose purpose is to help students identify their strengths and weaknesses in written and oral English. English classes may be recommended as a result of the E.E.T.

## Passport and Visas

To enter the US, each international student admitted to the Institute needs a passport

issued by his or her government. Students must also visit US embassies or consulates in their home countries to be issued student visas which will enable them to enter the US. Students must present a certificate of eligibility (Form I-20 or Form DS 2019) with the supporting financial documentation when they apply for the visa. The International Students Office at MIT will send the required document to all admitted students who provide evidence of sufficient funds to meet the estimated costs and of adequate English language proficiency. It is important to note that the validity of the visa does not indicate how long a student may remain in the US; this determination will be made by the Immigration Service at the port of entry. Canadians do not need student visas; instead, they may obtain the appropriate immigration status at the port of entry to the US by showing proof of citizenship and the Certificate of Eligibility.

## Visa Options

Students admitted to MIT can choose between two visas: the F-1 (student visa) and J-1 (exchange visitor visa). Individuals on any other non-immigrant visa will be unable to register in a program of studies at MIT.

### The F-1 visa

This option is normally used by those who enroll as full-time students at an approved educational institution. It is obtained by presenting the Form I-20 to a US consulate or embassy and submitting an application for an F-1 visa. F-1 students are expected to attend the school that issued the Form I-20 and maintain a full course of study while in the US. Students whose studies are funded by their families or other private sponsors are normally issued the Form I-20. Upon arrival in the US, students will be granted permission to remain in this country for the period of time required to complete their programs of study.

Some students hold fellowships or assistantships. Students with full assistantships, however, are not allowed to hold any additional employment on or off campus.

Spouses and children of F-1 students may hold the F-2 visa. The F-1 student may apply

*(continued)*

for Form I-20 for each of their dependents who wish to join them in the US in F-2 status. Those dependents will then need to apply for F-2 visas at the US embassy or consulate.

Health and hospitalization insurance is a requirement for all F-1 students and their dependents.

### The J-1 Exchange Visitor Visa

This visa may be used by those who come to study or conduct research as participants in an Exchange Visitor program. Students must be substantially (more than 50%) funded by their home government, educational institutions, international or national organizations, private companies, etc. in order to be eligible for a J-1 visa. Students on personal/family funds are not eligible for J-1 status; they must apply for F-1 status. The J-1 visa is obtained by presenting to the American Consul form DS 2019 (Certificate of Eligibility). When students accept funding from the Fulbright or any other agency of the US government or their own governments (even though it may be only a travel grant), this status carries with it a “two-year home country residency requirement,” which obliges students to return to their home countries for two years before they can apply for permanent residency or change to an H or L visa. In addition, this restriction applies to students from certain countries which have registered a list of needed skills with the American government. Students intending to use the J-1 visa to enter the US should ask the US Consul in their home country whether or not they will be subject to the two-year home residency requirement.

J-1 students will be allowed to remain in this country for the period of time indicated on their DS 2019. This time can be extended, as long as they are pursuing a full course of study or on authorized academic training.

Health and hospitalization insurance is a requirement for all J-1 students and their dependents.

## Financial Aid

Financial aid for international students is extremely limited. Applicants are urged to make every effort to secure funds from sources other than MIT.

Many countries place limitations on the purchase of US dollars. Prospective students should consult the proper authorities in their countries about foreign exchange regulations to make certain that the academic levels and fields of study to be pursued permit the exchange of the local currency for dollars. Students should also be familiar with the procedures established for sending money to the US.

The dollar awards accompanying research and teaching assistantships at MIT often do not meet total student expenses. Additional funds must therefore be assured to meet the minimum budget projected by MIT for a new graduate student before a certificate of eligibility for an F-1 or J-1 visa will be issued.

## Expenses

MIT is aware of the substantial expenses that graduate education at MIT represents, and we want to give international applicants a realistic assessment of the costs involved. Living costs in the Cambridge/Boston area are among the highest in the US. Since the Institute cannot assume financial responsibility for its students, we must be satisfied that entering students will have sufficient funds to meet all expenses while at MIT.

Because the first few months in the US usually demand more financial outlay than any other period, students should plan to arrive with enough money to meet substantial initial expenses, such as travel to Cambridge from the port of arrival, insurance; temporary accommodation in hotels, if necessary; meals in restaurants; advance payment of rent; purchase of furnishings; and deposits for electricity and telephone service.

## Questions

If you have additional questions, please contact:

MIT International Students Office  
77 Massachusetts Avenue, Building E39-278  
Cambridge, MA 02139-4307, USA

Phone: 617-253-3795