

The Endowed Fellowships of the Arab Republic of Egypt at The Massachusetts Institute of Technology

Important Announcement:

Since 2009, the Institute of International Education (IIE) has had the pleasure of offering pre-admissions support services and outreach to the Egyptian public for the Egypt Fellowships Program. IIE's contract with the Ministry of Finance will conclude in August 2012.

The fellowship awards will continue for many years in the future. **Please direct all admissions and fellowship questions to the Ministry of Finance Office of External Affairs**

Program Overview

The [Endowed Fellowships of the Arab Republic of Egypt](#) was established by the Arab Republic of Egypt in partnership with MIT, to provide exceptionally bright Egyptians the opportunity to advance in graduate studies. Applicants who are admitted into an approved graduate degree program may be awarded a fellowship. *Please note, if you are admitted into Harvard University, it is not guaranteed that you will be awarded the Arab Republic of Egypt Public Service Fellowship.*

Approved Graduate Schools at MIT: (Master's and Ph.D.)

- School of Engineering
- School of Science
- Whitaker College of Health Sciences and Technology
- School of Humanities, Arts and Social Sciences
- School of Architecture and Planning
- Sloan School of Management

Fellowship Award Benefits

Applicants who are successfully admitted to an approved graduate degree program may be awarded a fellowship. The fellowship covers full tuition expenses and a living stipend (9 months, no June, July or August) while in graduate school. For more information regarding the fellowship, please visit the following website for more detailed information:

<http://web.mit.edu/odge/finances/fellowships/odgefellowships.html#are>

2010/2011 Endowed Fellowships of the Arab Republic of Egypt Fellows

Congratulations! Below is a list of the 2010/2011 Endowed Fellowships of the Arab Republic of Egypt awardee:

Mohamed Siam : School of Engineering

Degree Program: Civil and Environmental Engineering

Eligibility Requirements Criteria

All applicants must meet the following criteria:

1. Admitted for graduate study or be a current MIT student in good standing in one of the approved departments
2. Applicants must be resident citizens of the Arab Republic of Egypt
3. Applicants must have demonstrated excellence in their chosen field of study
4. Applicants must have a commitment to public service and the advancement of Egyptian society and have a stated interest in working for the betterment of the people of Egypt after graduation.

Additional general criteria set forth by the Egyptian government for awarding fellowships:

- A. Any Egyptian male candidate must provide evidence of their military service status; official proof that they have completed military service, received an exemption or postponement of service

- B. Upon their return to Egypt, fellows are expected to be committed to Egyptian public service, the advancement of Egyptian society and their previously stated interest in working for the betterment of the people of Egypt after graduation.
- After graduation, fellows are required to return to Egypt and work for four (4) years in a public service capacity. The public service work may be rooted in any Egyptian government entity, but will be based on the fellow's field of study and the existing need at the time.
 - If the returning fellow declines the offered government job, the fellow may work in the private sector, but must act as an advisor on an Egyptian ministry board. (compensated job)
 - If the returning fellow declines the offered government job and an advisor is not needed on an Egyptian ministry board, the fellow may work in the private sector, but must work as a consultant on a project for the Egyptian government. (compensated job)
- C. MIT students who successfully complete their Ph.D. degree on an Egyptian graduate fellowship may postpone returning to Egypt for up to two years in order to gain additional research experience in an established post-doctoral program or, in the case of masters students, to pursue a Ph.D. degree at MIT. Fellows must obtain written permission from the Ministry of Finance in order to postpone returning to Egypt post-graduation.

[MIT Departments info : \(pdf\)](#)

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. Photocopies of reports cannot be used under any circumstances. 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. Applicants who are tested after December 31, 2013 will not be considered for admission.*

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>. Applicants who are tested after December 31, 2013 will not be considered for admission.*

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/>. Students wishing to take the test after December 31, 2013 will not be considered for admission.*

*Some departments have earlier standardized testing deadlines. 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
Ph.D.	4
Sc.D.	4
M.Arch.	7
S.M.Arch.S.	4
M.B.A.	3
M.C.P.	3
Engineer's Degree	2
M.Eng.	1
S.M.	1

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
Department code: 63
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. Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please list all courses taken that appear on the transcripts you will submit as part of your application. List courses chronologically, and complete each column.

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, 2013 (*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. The Architecture Graduate Application will be activated in mid-September, is unique to Architecture, and is not used by any other department.
2) A scanned PDF of an original transcript (or English translation) from each university should be uploaded in the application. In addition, we require one official copy of each transcript (with English translation) be sent by December 31, 2013 to: Architecture Graduate

Admissions, 77 Massachusetts Ave., Room 7-337, Cambridge, MA 02139.
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: 56-651
Phone: (617) 253-1712
Fax: (617) 258-8676
email: be-acad@mit.edu
<http://web.mit.edu/be/>

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 56-651

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.

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.

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)

Mailing address for Transcripts:

Massachusetts Institute of Technology

Department of Brain and Cognitive Sciences

77 Massachusetts Avenue

Bldg. 46, Room 2005-Q

Cambridge, MA 02139-4307

Express Mail/Courier Deliveries:

Massachusetts Institute of Technology

Department of Brain and Cognitive Sciences

43 Vassar Street

Bldg. 46, Room 2005-Q

Cambridge, MA 02139-4307

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.

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.

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.

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*)

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 (*for September admission*)

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

Return applications to: Department of Chemistry, Room 2-204

Areas of research offered:

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

Special instructions:

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.

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.

Comparative Media Studies (CMS)

Room: 14N-108

Phone: (617) 253-6668

Fax: (617) 452-5100

email: cms-admissions@mit.edu

http://cms.mit.edu/academics/graduate_apply.php

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. Visit http://cms.mit.edu/academics/graduate_apply.php for further instructions. 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://cms.mit.edu/research/groups.php>

Computation for Design and Optimization (CDO)

Room: 35-329

Phone: (617) 253-3725

email: 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/. 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

Computational and Systems Biology (CSB)

Room: 68-230a

Phone: (617)324-4144

Fax: (617) 253-8699

email: 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

Earth, Atmospheric, and Planetary Sciences, Course XII

Room: 54-912

Phone: (617) 253-3381

Fax: (617) 253-8298

email: 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.

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. Applicants who are advanced to round two of our admissions process will be required to send, via post, an official, sealed transcript from each school attended. Do not send hard copies of transcripts until you are prompted to do so. 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

Electrical Engineering and Computer Science, Course VI

Room: 38-444

Phone: (617) 253-4603

Fax: (617) 258-7354

email: grad-ap@eecs.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.

Engineering Systems Division (ESD)

Please contact the program applying to with any questions.

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

Types of degrees offered:

Engineering Systems Division

S.M. in Engineering Systems (ESD-ESM)

Ph.D. in Engineering Systems (ESD-ESP)

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)

Room: E40-367

Phone: (617) 253-1182

Fax: (617) 258-7733

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

http://esd.mit.edu/academics/apply_now2.html

Term students can be admitted:

September

June (Leaders for Global Operations)

Application deadline:

December 15

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

Department code: 1612

Additional requirements: Attach résumé or CV and unofficial copies of your transcripts to online application in .pdf format. Official copies of transcripts and test scores will be

required for admitted applicants.

Special instructions:

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

The Engineering Systems Division requires applicants to the Engineering Systems Ph.D. and the Engineering Systems S.M. to use the online ESD Graduate Application site which can be accessed from the MIT Graduate Admissions website. 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

<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

<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.

Harvard-MIT Health Sciences and Technology (HST)

Room: E25-518

Phone: (617) 452-3171

Fax: (617) 253-6692

email: 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_information_for_prospective_graduate_students.php

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

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

Room: E51-163

Phone: (617) 253-9759

email: 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:

January 1

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 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.

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.)

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

<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.

Linguistics and Philosophy, Course XXIV

Room: 32-D808

Phone: (617) 253-4141

Fax: (617) 253-5017

email: lp-admissions@mit.edu

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

<http://web.mit.edu/philos/www/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: *No*

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.

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.

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.

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
January 15 (*for M.Eng Program*)

Tests required:
IELTS: *Preferred*
Minimum score required: 7
Waiver accepted: No
GRE: *general test required*
Department code: 1502
TOEFL: (min 90 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

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

Types of degrees offered:

S.M., Ph.D.

Term students can be admitted:

September

Application deadline:

December 15 (*applications must be submitted online, hardcopies are not accepted*)

Supplemental deadline:

December 31 (*transcripts, IELTS score*)

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.

GRE: No

Special instructions:

- 1) Online applications are required.
- 2) 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/areas.html>
- 3) Portfolios (containing publications, theses, awards, designs and other work) should be submitted as a URL in the appropriate field in the application. Hardcopies are not accepted.
- 4) Letters of recommendation should be submitted using the online application system. Hardcopies are not accepted.

5) Applicants are recommended 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 course title and textbook information.

Microbiology (MICRO)

Room: 68-139

Phone: (617) 324-0055

Fax: (617) 253-8699

email: 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.

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.

Nuclear Science and Engineering, Course XXII

Room: 24-102
Phone: (617) 253-3814
Fax: (617) 258-8863
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

Return applications to:
Department of Nuclear Science and Engineering, Room 24-102A

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.

Center for Ocean Engineering

For details, see Mechanical Engineering on page 11.

Operations Research (OR)

Room: E40-149
Phone: (617) 253-3601
Fax: (617) 258-9214
email: 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.

(continued)

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

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

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

Science Writing, Course XXI-W

Room: 14N-108

Phone: (617) 253-6668

Fax: (617) 452-5100

email: sciwrite-www@mit.edu

http://web.mit.edu/sciwrite

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. All materials should be uploaded to the MIT Graduate Program in Science Writing
14N-108
77 Massachusetts Avenue
Cambridge, MA 02139

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)

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

Fax: (617) 253-7972

email: 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. Non-native English speakers are expected to achieve at least the forty-fifth percentile (45%) in verbal.

GMAT: 600

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 two essays. Three evaluations are required; we recommend one from a professor and two from supervisors.

System Design and Management Program (SDM)

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

Technology and Policy Program (TPP)

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

Urban Studies and Planning, Course XI

Room: 7-346

Phone: (617) 253-9403

Fax: (617) 253-2654

email: dupspapply@mit.edu

<http://dupsp.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:

Paper applications will not be considered. 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").

How to Prepare: MIT's Admissions Process

Applying to a university is never an easy task, but there are preparatory steps that can make the application process easier.

Step 1: Research

Applicants are asked to visit the websites of the individual departments within a fellowship-approved School in order to determine which program is best suited for their academic/professional needs. Department websites are full of important information that will help each applicant make the best academic choice for themselves. Carefully read the department's website in order to understand the degree program in its entirety and to become familiar with application deadlines, degree program prerequisites, courses offered, special programs within a department and other relevant information needed prior to applying to a specific department. It is the responsibility of each applicant to fully research the desired degree program prior to applying to MIT. When you understand the application process, required tests (GRE, GMAT, TOEFL, IELTS), deadlines and other relevant information, you are more prepared to create a formidable application package that may set you apart from the other applicants. For example, applicants should research some of the following areas of each program:

- State-of-the-art laboratories and research facilities
- Courses that are offered now
- Academic background of professors in specific departments
- Special programs within a degree program that are available
- Special lectures and seminars

Step 2: Prepare for Standardized Tests

Most likely, applying to MIT will require you to submit standardized test scores such as the GRE, GMAT, TOEFL and/or the IELTS. While your academic history and standardized test scores are not the only admission methods used to compare applicants from around the globe, it is an important standard of measure.

Take the time to fully prepare for the GRE or GMAT. Adequate preparation can take between 2 –12 months of study time. Enrolling in a specialized course, taking practice tests and learning the “tricks” to test taking is a process that cannot occur overnight. Give yourself plenty of time to prepare and do not wait until the last minute to prepare for the standardized tests. The same can be said regarding the TOEFL and IELTS tests. Create a study schedule that will allow you to study, work and have a social life. Please, do not wait until the last minute to prepare for any standardized test.

Step 3: Become familiar with MIT's Application Requirements

Within MIT, each department has its own application submission requirements. Generally, however, most departments require that you submit the following materials:

- Online Application

- Official Transcripts (Grades, Percentile Rankings)
- 3 Letters of Recommendation
- Standardized Test Scores (GRE, GMAT, TOEFL, IELTS)
- Essay(s)

It is not too early to start thinking about who you would like to ask to write the three letters of recommendation. Letters of recommendation may be written by a project leader, employer, professor, internship advisor, supervisor, etc. The letter will provide MIT with information about you that cannot be found in the admissions application. It can discuss your personal qualities, academic/professional accomplishments, academic/professional goals and your research experiences. Great letters of recommendations may also include the following:

- Applicant's academic aptitude
- Maturity
- Intelligence
- Compare applicant to other students
- Applicants potential at MIT

Many departments keep the most recent admissions application posted on their websites. It is recommended that you review the application and become familiar with the essay(s) topics. Brainstorm and contemplate what you would like to say to MIT. Dissect the essay question into smaller, more manageable sections and list the ideas you'd like to expand upon. The admissions essay(s) is an important factor in the admissions process, so please take the time to contemplate the essay question(s).

Frequently Asked Questions

Is there a minimum GRE or GMAT score for MIT?

MIT does not require a minimum score for the GRE or GMAT. However, the university is quite competitive, so a high score is desirable in order to be a competitive candidate. Some department's do post average GRE and GMAT test scores, so please read the websites carefully.

Is there a minimum GPA or percentile ranking?

MIT does not require a minimum GPA score or percentile ranking. But again, the university is quite competitive, so a high GPA or percentile ranking is desirable.

Are there minimum TOEFL/IELTS scores?

Yes, each department has their own minimum TOEFL or IELTS test score. It's important to read the department's website for up to date information regarding testing requirements. Many departments accept TOEFL and/or IELTS, but some departments only accept one type of English proficiency test. Please check their website or contact IIE.

Can I bring my spouse/children with me while I study?

Please visit the following website for detailed information regarding spouse/children accompanying international graduate students:

International Students Office: <http://web.mit.edu/iso/>

Is there a specific MIT website for international students?

Yes. Please visit: <http://web.mit.edu/iso/>

If I am admitted into MIT, am I guaranteed the fellowship?

No. Gaining admittance into MIT and being awarded the fellowship are two separate procedures. It is possible for an applicant to be admitted into MIT, but not awarded a fellowship.

How should I prepare for the GRE (Graduate Record Exam) or the GMAT (Graduate Management Admission Test)?

The GRE and GMAT standardized tests are not simple tests that should be taken without proper preparation. Depending on the test taker's ability, proper test preparation could range anywhere from two to twelve months (or more) of study/preparation time and work/university/family schedule. Some test takers opt to study using study guide books, online preparation courses or in-person/classroom courses. The cost of preparing for such tests will vary in cost. Specialized test preparation courses may cost more than purchasing study guide books, but there are a number of free test preparation guides online. Please visit the following website for more information: www.gre.org and www.mba.com. Both websites offer free test preparation software that is downloadable.

How much does it cost to take the GRE or GMAT test?

The GRE test costs approximately US \$180 and the GMAT costs approximately US \$250. Other fees can be added for additional services, but may not be necessary.

How do I pay the university application fee?

If you are submitting the admissions application form online, you will be required to pay for the application fee with a credit card (VISA, MasterCard, etc). It may be possible to obtain a limited credit card from your bank for the sole purpose of paying for the online application fee. Please check with your bank for further details. If you wish to submit a paper admissions application (if this is an option), you would need to mail a bank check with the admissions application to the university's designated address.

What is "public service"?

"Public Service" can be defined in numerous ways:

- A service that is performed for the benefit of the public or its institutions
- Employment within the government system (especially in the civil service)

Do I have to work for the Egyptian government after I graduate from MIT?

No. You do not have to work for the Egyptian government after graduation. You may be offered a job by one of the ministries or other institutions, but you are free to decline the job offer. However, you are still required to fulfill the “public service” commitment that accompanies the fellowship. This can be accomplished by advising or consulting on a government project (while maintaining a private sector job) or working in a private sector job which is directly related to public service in Egypt.

After I graduate from MIT, may I enroll in a post-doctoral research program or must I return to Egypt immediately to begin the public service requirement of the fellowship?

You may enroll in a post-doctoral research program after the conclusion of your Ph.D. program. You do not have to return to Egypt immediately after graduation in order to begin your public service. Following the conclusion of the post-doctoral research program, you will be required to return to Egypt to fulfill the 4-year public service commitment.

Helpful Website Links

Massachusetts Institute of Technology: www.mit.edu

GRE: official website: www.gre.org

GMAT: official website: www.mba.com

TOEFL: www.ets.org

IELTS: www.ielts.org

Contact Us

Mr. Scott Tirrell

Manager of Graduate Fellowships
NSF Coordinating Official

Office of the Dean of Graduate Education
Massachusetts Institute of Technology

Building 35-332b
127 Massachusetts Ave.
Cambridge, MA 02139 :Phone: 617-324-7021