

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, 2011 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, 2011 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, 2011 will not be considered for admission.

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: 33-208

Phone: (617) 253-0043

Fax: (617) 253-0823

email: aa-studentservices@mit.edu

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

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 Aero-Astro 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 15 (*for September admission*)

Portfolios or writing samples (only) due by January 3

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

Return applications and portfolios to:

Department of Architecture, Room 7-337

77 Massachusetts Avenue

Cambridge, MA 02139-4307

Portfolios and/or writing samples will not be returned

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:

All applicants are required to use the online application which is on the MIT Graduate Admissions website. .

S.M.A.C.T. applicants are asked to provide a CD with a digital copy of their portfolios in lieu of a printed one.

HTC applications require evidence of recent and/or professional work as no more than 30 pages of writing samples, and an optional portfolio only when it reveals intellectual direction.

Applicants should apply to only one degree within a program, and not specify second or third choices. If you are applying to two different degree programs within the Department of Architecture, please mail a paper application for the second degree program. Please be sure to read <http://architecture.mit.edu/faqs.html>.

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 required; subject test in biology, chemistry, or physics optional*
Department code: 0203

Return applications to: Department of
 Biology, Room 68-120

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:

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) 258-9216
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:

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 your application, other than a CV; CVs can be emailed to bcs-admissions@mit.edu or mailed.

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: W31-310
Phone: (617) 253-4373
Fax: (617) 258-6991
email: mit-cre@mit.edu
<http://web.mit.edu/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: 600*
(250 for computer-based)
TOEFL waiver accepted: No
School code: 3504
Department code: 99
 GMAT: Yes
Department code: X5X-W6-19

(continued)

Return applications to: CRE, W31-310
Applicants to MIT/CRE Program should download additional application instructions/materials at:
<http://web.mit.edu/cre/application.html>

Special instructions:
Online application is preferred.

GMAT, TOEFL or IELTS scores must be received by January 5.

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:
IELTS: *Minimum score required: 7*
TOEFL: *Minimum score required: 600*
(250 for computer-based, 100 for internet-based)
TOEFL waiver accepted: No
Department code: 64
GRE: *general test required; subject test in Chemistry or Engineering optional*
Department code: 1001

Return applications to: Department of Chemical Engineering, Room 66-366

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 which is on the MIT Graduate Admissions website.

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

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: 2-204
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/>

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

Please read descriptions of master's degrees before choosing one.

Leaders for Global Operations Program:
S.M. from C.E.E. and M.B.A./S.M. from Sloan

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

Application deadline:
December 15

Tests required:
IELTS: *Minimum score required: 7*
TOEFL: *Minimum score required: 577*
(233 for computer-based; 90 for internet-based)
IELTS/TOEFL may be waived by department
Department code: 65 or 46
GRE: *general test only*
Department codes: 1102 or 1103

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

Areas of research offered:
Composite Materials and Structures
Computer Aided Engineering
Earthquake Engineering
Engineering Geology
Environmental Chemistry
Environmental Fluid Mechanics & Coastal Engineering
Environmental Geotechnology
Environmental Microbiology
Geoenvironmental Engineering
Geotechnical Engineering
Groundwater Hydrology
High Performance Structures (M.Eng)
Hydrology
Information Technology
Material Engineering
Nondestructive Evaluation
Operations Research
Rock Mechanics
Sediment Transport
Soil Mechanics
Structural Engineering
Structural Materials
Structural Mechanics
Transportation
Transportation Economics
Transportation and Information Systems
Transportation and Logistics
Transportation Policy
Transportation Systems
Underground Construction
Urban Transportation

Water Resources (M.Eng)

MIT-WHOI, Joint Program in Oceanography, Course I-W

Aquatic Biology
Aquatic Chemistry
Chemical Oceanography
Coastal Oceanography
Geochemistry
Hydrodynamics
Marine Ecology
Ocean Acoustics
Plankton Ecology
Remote Sensing
Sediment Transport

Special instructions:

Record of Subjects Taken section NOT required (except for applicants to WHOI Joint Program).

Comparative Media Studies (CMS)

Room: E15-331

Phone: (617) 253-3599

Fax: (617) 258-5133

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. All additional materials except transcripts should be emailed to cms-admissions@mit.edu. Transcripts should be mailed directly to:

Comparative Media Studies
Massachusetts Institute of Technology
77 Massachusetts Avenue, Room E15-331
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 project suitable to their background, academic interests, and research goals.
<http://cms.mit.edu/research/projects.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: 68-139

Phone: (617)324-0055

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: *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.

GRE: *general test required, subject test optional*

Department code: 3394

Official transcripts should be mailed to:

CSB Ph.D. Program,
Room 68-139
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 are required to complete the Subjects Taken page. 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.

Applicants should apply online at:

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

Earth, Atmospheric, and Planetary Sciences, Course XII

Room: 54-911

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, September (*Joint Program only in June or September*)

(continued)

Application deadlines:

November 1 (for February admission)

January 5 (for June and September admission)

*Please note that September is our main admissions period.***Tests required:**

IELTS: Preferred

*Minimum score required: 7*TOEFL: *Minimum score required: 577**(233 for computer-based; 90-91 for internet-based)**IELTS/TOEFL may be waived by department; make request in writing.**Department code: 61 (Astronomy)
71 (Geology)*GRE: *general test required for all applicants; subject test required in either Chemistry or Physics for the Planetary Science area.**Department code: 0599***Return applications to:**

Department of Earth, Atmospheric, and Planetary Sciences, Room 54-911

Areas of research offered:

Atmospheric Science

(dynamics and chemistry)

Climate Physics and Chemistry

(includes aspects of physical and chemical oceanography related to climate and paleoclimate)

Geobiology

Geochemistry

Geology

Geophysics

Planetary Sciences

MIT-WHOI, Joint Program in Oceanography, Course XII-W

Chemical Oceanography

Geochemistry

Marine Geology and Geophysics

Paleoceanography

Physical Oceanography

Special instructions:

Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please complete the form in two areas: "Major field with minor if closely related" and "Supporting sciences." Mathematics is considered an important part of our program. Please list all Math classes at the beginning of the "Major field" section. The remaining categories do not need to be completed.

Academic Records (Transcripts):

An original copy of your college transcript from each school, translated into English, should be uploaded as an attachment in PDF format to your application. No other attachments will be accepted.

In addition, we require that an original copy of each transcript be sent to:

EAPS Education Office, 54-911

77 Massachusetts Avenue

Cambridge, MA 02139

Economics, Course XIV**Room:** E52-391D**Phone:** (617) 253-8787**Fax:** (617) 253-1330**email:** econ-admit@mit.edu

http://econ-www.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 accepted: No**Department code: 84*GRE: *general test required**Department code: 1801***Return applications to:** Department of Economics, Room E52-391D**Special instructions:**

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.

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.

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,
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: E40-249

Phone: (617) 253-1182

Fax: (617) 258-7733

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

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.

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

Fax: (617) 253-7568

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. The ESD Graduate Application site will be activated in mid-September, and is unique to ESD. It is not used in any other department.

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

Note: The TOEFL is no longer a standard element of the TPP application. Applicants seeking to submit a TOEFL in lieu of an IELTS score should contact TPP.

Harvard-MIT Division of 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 all 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

(continued)

HST requires IELTS or TOEFL score reports for any candidate whose native language is not English. This requirement is waived if the candidate attended a secondary school taught in English.

MEMP THROUGH MIT

Applicants should apply on-line at <http://web.mit.edu/admissions/>.

For detailed instructions, see http://hst.mit.edu/go/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/go/memp_admissions.

SHBT:

As of the 2011-2012 admissions cycle, the PhD programs in Speech and Hearing Bioscience and Technology (SHBT) and Bioinformatics and Integrative Genomics (BIG) are moving to Harvard. Please consult the HST website for additional information.

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

Room: E51-185

Phone: (617) 253-9759

Fax: (617) 258-8118

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 round two 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/www/>

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

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*

Return applications to: Department of Linguistics and Philosophy, Room 32-D808

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. Writing samples should be submitted electronically. Please go to <http://www.dlp.mit.edu/admissions> for further instruction.

Applicants to the linguistics program are very strongly urged to send one or more copies of major research papers (term papers, research reports, theses). 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. At least one of the writing samples should be written in English, but additional writings in another language can sometimes also be reviewed.

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) 253-3302

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: 1403

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. Include a letter requesting the waiver with your supplemental materials. If the waiver is not approved, you will need to take and submit the IELTS score by mid-January. Note: The TOEFL is no longer 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 (*must be postmarked by*)

January 15 (*for M.Eng Program*)

Tests required:

IELTS: *Preferred*

Minimum score required: 7

Waiver accepted: No

GRE: *general test required*

Department code: 1502

Return applications to: Department of Mechanical Engineering, Room 1-112

Areas of research offered:

Applied Mechanics
Automotive & Aircraft Engines
Biomaterials
Biomechanics & Neural Control of Movement
Biomedical Engineering
Biorobotics
Combustion
Composites Processing
Computational Fluid Dynamics
Computational Mechanics
Computer-Aided Design/Manufacturing Controls
Cryogenics
Design
Dynamics
Energy and Power
Environmental Engineering
Fibers & Polymers
Finite Elements
Fluid Mechanics
Heat and Mass Transfer
Human-Machine Systems
Instrumentation
Internal and External Combustion Engines
Leaders for Global Operations
Management of Technology
Manufacturing
Materials
Mechanical Behavior of Materials
Mechanics

(continued)

Mechanics of Materials
MEMS and Nanotechnology
Micro-Electro-Mechanical Systems
Microfluids
Optical Engineering
Optical Measurement
Polymer Processing
Precision Engineering
Robots, Manipulators and Teleoperators
Systems Design and Management
Technology and Policy
Thermodynamics
Transportation
Tribology

*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: E14-245
Phone: (617) 253-5114
Fax: (617) 253-8542
email: mas@media.mit.edu
<http://www.media.mit.edu>
Types of degrees offered:
S.M., Ph.D.

Term students can be admitted:
September

Application deadline:
December 15 (*applications must be
submitted online*)

Supplemental deadline:
December 31 (*transcripts, IELTS score*)

Tests required:

IELTS: *Minimum score required: 7*
IELTS waiver accepted: No
All international students must take
the IELTS exam; TOEFL scores will not be
accepted.
Department code: 3514

GRE: *No*

Send supporting materials to: MAS, Room
E15-245

Special instructions:

- 1) Online applications are required.
- 2) Applicants must specify three faculty with whom they are applying to work. List these faculty in order of preference at the opening of the statement of objectives. A list of faculty 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 at the end of your statement of objectives. **Hardcopies are not accepted.**
- 4.) Letters of recommendation are required to be submitted using the online application system (page two of application). Hardcopies are not accepted.
- 5.) 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.

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 deadline:
December 1

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: Applicants are NOT
required to complete the Subjects Taken page
of the online application. Applicants should
apply on-line at:
[https://gradapply.mit.edu/microbiology/
apply/login](https://gradapply.mit.edu/microbiology/apply/login).

**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:
December 15 (*for EECS-JP and Mechanical*
Engineering-JP applicants)
January 5 (*for June or September - all other*
applicants.)

Tests required:

IELTS: *Minimum score required: 7*
TOEFL: *Minimum score required: 577*
(233 for computer-based;
90-91 for internet-based)
Minimum score for applicants to Course VI-W:
600 (250 for computer-based)
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:

Joint program applicants should enter "Woods Hole Oceanographic Institution" as the department and state their desired area of research on item 2 of the application.

Applicants must complete the Record of Subjects Taken in Preparation for Graduate Study form. Electrical Engineering/Computer Science-JP applicants must use the EECS online application form at: <http://apply.eecs.mit.edu/>

Return applications to: Joint Program Office, Room 54-911, MIT

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) 258-7437

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 deadlines:

January 7 (for June and September admission)

In general, the department discourages February

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)

Fusion Technology and Plasma 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: lrose@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:*

(600 for paper-based; 250 for computer-based;

100 for internet-based)

TOEFL waiver may be considered under

special circumstances

Department code: 67

GRE: *general test required*

Department code: 1302

Return applications to: Operations Research Center, Room E40-149

Special instructions:

Please indicate "OR" as the department on application form. The ORC encourages all applicants to use the online application. Students should try to limit their Statement of Objectives to one page.

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 only the columns for course name, academic year, and official grade.

Physics, Course VIII

Room: 4-315

Phone: (617) 253-9703

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:

IELTS: *Minimum score required: 6.5*

IELTS waiver accepted: Yes

GRE: *general and subject test required*

Department code: 0808

Special instructions:

Additional information for applicants to the Physics Graduate Program, including the Departmental *Field and Support Preference Form*, is available at <http://web.mit.edu/physics/graduate/applicants> in the Applicant Information section. The *Field and Support Preference Form* can be downloaded and must be included with every application. Once the application is received by the Physics Department, the applicant will be notified.

Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please list physics, mathematics, and other science course only. Group courses by subject area, and complete each column. Applicants are required to list courses taken at MIT.

Return applications to: Department of Physics, Room 4-315

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

(continued)

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 for **either** the S.M.
Program **or** the Ph.D. Program, not both.
Please indicate S.M. or Ph.D. under Final
Degree Objective.

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

In addition to the Statement of Objectives,
applicants must submit a separate writing
sample of 5–15 pages. Writing samples
must be uploaded as an attachment in PDF
format to your application. See “Additional
Instructions” at
<http://web.mit.edu/polisci/grad/addinstr.html/>.

Academic Records (Transcripts):

An original copy of your transcript from each
college/university should be uploaded as an
attachment in PDF format to your application.
In addition, we require that one original copy
of each transcript be sent to:

Political Science E53-467, 77 Massachusetts
Avenue, Cambridge, MA 02139

Send supporting materials to:

Department of Political Science,
Room E53-467

Areas of research offered:

American Politics and Public Policy
Comparative Politics
International Relations and Foreign Policy
Models and Methods
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
Structure/Property Relationships
Supramolecular Assembly

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*
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](http://sciwrite.mit.edu/program-information/how-to-apply)

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

Return applications to:

Graduate Program in Science Writing
MIT, Room 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: E40-355
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 – December 1
Round 2 – January 15
Round 3 – April 1

Tests required:
IELTS: *Minimum score required: 7.0*
GRE or GMAT: *general test required.*

Minimum score required:
GRE Verbal: 550 (450 non-native speakers),
Quantitative: 700, Analytical Writing: 4.5;
GMAT: 600
GRE Institute code: 3514
GRE Department code: 4313
GMAT code: X5X-QS-17

Return applications to: Supply Chain Management Admissions Office, Room E40-355

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 8.

Technology and Policy Program (TPP)

For program details, see Engineering Systems Division, page 8.

Urban Studies and Planning, Course XI

Room: 7-346
Phone: (617) 253-9403
Fax: (617) 253-2654
email: duspapply@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:
TOEFL: *Minimum score required:*
100 for internet-based; 600 for paper-based
TOEFL waiver accepted: No
Department code: 97
IELTS: *Minimum score required: 7*
All international students must take the TOEFL or the IELTS.
GRE: *general test required*
Department code: 2205
M.C.P. no minimum
Ph.D. minimum score required: 1200 (V&Q) combined; 5.0 analytical writing

Special instructions:
Online application preferred.
All applicants are urged to review DUSP application instructions at <http://dusp.mit.edu/p.lasso?t=4:2:0> for thorough information about applying to the department.

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 only the columns for course number, course name, academic year, and official grade.

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.)

Return supplemental materials to:
Massachusetts Institute of Technology
Department of Urban Studies and Planning,
77 Massachusetts Avenue, Room 7-346
Cambridge, MA 02139-4307

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").