Massachusetts Institute of Technology
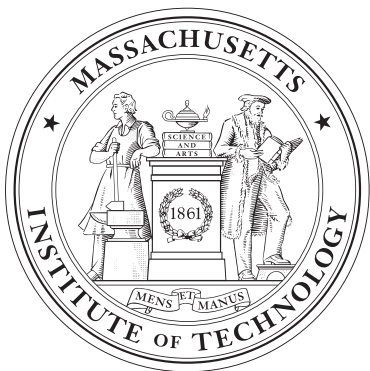
Office of the
Dean for Graduate Education

2016 Graduate Admissions

Graduate Admissions
Massachusetts Institute of Technology
Office of the Dean for Graduate Education
77 Massachusetts Avenue, Building 35-332
Cambridge, MA 02139-4307
617-324-6730 | mitgrad@mit.edu

Introduction

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

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

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

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

Admissions Procedures

Requirements

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

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

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

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

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

Standardized Tests

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

Graduate Record Examination

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

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

International English Language Testing System

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

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

Test of English as a Foreign Language

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

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

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

Degree Information

Degrees Offered

MIT grants the following degrees:
Doctor of Philosophy, Ph.D.
Doctor of Science, Sc.D.
Engineer's Degree
   (in engineering departments only)
Master of Architecture, M.Arch.
Master of Business Administration, M.B.A.
Master in City Planning, M.C.P.
Master of Engineering, M.Eng.
Master of Finance, M.Fin.
Master of Science, S.M.

General Requirements

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

Residency

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

Degree	Academic terms required
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. 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 specifi 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
Institute for Data, Systems, and Society
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
Program in Polymers and Soft Matter
Real Estate Development
Technology and Policy Program
Transportation

Department Information

Aeronautics and Astronautics, Course XVI

Room: 33-202
Phone: (617) 253-0043
email: aagradinfo@mit.edu
http://aeroastro.mit.edu

Types of degrees offered:
S.M., Ph.D., Sc.D.,
Leaders for Global Operations - SM/MBA

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

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

Tests required:
IELTS: *Minimum score required: 7*
TOEFL: *Minimum score required: 600*
   (250 for computer-based; 100 for internet-based)
   TOEFL waiver accepted: No

GRE: *general test required*
   Department code: 1601

Areas of research offered:
Aerospace Computational Engineering
Air-Breathing Propulsion
Aircraft Systems Engineering
Air Transportation Systems
Autonomous Systems
Communications and Networks
Controls
Humans in Aerospace
Materials and Structures
Space Propulsion
Space Systems

Our students have participated in interdisciplinary study with the following programs:
Biomedical Engineering
Computation for Design and Optimization
Flight Transportation
Leaders for Global Operations
Technology and Policy Program
System Design and Management
For a complete list of programs, see MIT Centers, Labs and Programs.

Special instructions:
All applicants must use the AeroAstro specific online application which is on the MIT Graduate Admissions website. Paper applications will not be accepted.

Architecture, Course IV

Room: 7-337
Phone: (617) 715-4490
Fax: (617) 253-8993
email: arch@mit.edu
http://architecture.mit.edu/

Types of degrees offered:
M.Arch., S.M.A.C.T., S.M.B.T., S.M.Arch.S., Ph.D.

Term students can be admitted:
September

Application deadline:
December 31 *(for September admission)*

Tests required:
IELTS: *Preferred over TOEFL*
   Minimum score required: 7
   (7.5 for PhD candidates in History, Theory, and Criticism)
TOEFL: *Minimum scores required:*
   110 (iBT) or 650 (PBT) for Ph.D. candidates in History, Theory, and Criticism;
   110 (iBT) or 650 (PBT) for all other programs

   TOEFL waiver accepted: No
   Department code: 12
GRE: Yes *(M.Arch, S.M.B.T., Ph.D. in Building Technology, and Ph.D. applicants in History, Theory, and Criticism)*
   Department code: 4401

Areas of research offered:
Architectural Design (S.M.Arch.S)
Architecture and Urbanism (S.M.Arch.S.)
Art, Culture and Technology (S.M.)
Building Technology (S.M., S.M.Arch.S., Ph.D.)
Design and Computation (S.M.Arch.S. and Ph.D.)
History, Theory, and Criticism of Architecture (S.M.Arch.S. and Ph.D.)
History, Theory, and Criticism of Art (Ph.D.)
Aga Khan Program for Islamic Architecture (S.M.Arch.S.)

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

2) A scanned PDF of an original transcript (or English translation) from each university should be uploaded in the application. Only those applicants who are accepted for admission will be required to send a hard copy of an official, sealed transcript (with English translation) from each school attended, to: Architecture Graduate Admissions; 77 Massachusetts Ave., Rm. 7-337; Cambridge, MA 02139. Any discrepancy between the scanned transcripts and official transcripts may result in a rejection or withdrawal of our admission offer. Applicants should NOT send any supplemental material with their applications.

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

Biological Engineering (BE), Course XX

Room: 16-267
Phone: (617) 253-1712
Fax: (617) 253-5208
email: be-acad@mit.edu
http://be.mit.edu

Types of degrees offered:
M.Eng. in Biomedical Engineering (for MIT undergraduates only)
S.M. in Molecular and Systems Toxicology (for MIT undergraduates only)
S.M. in Biological Engineering (Leaders for Global Operations only)
Ph.D., Sc.D. in Biological Engineering

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

Application deadline:
December 15

Tests required:
IELTS: *Minimum score required: 7*
GRE: *General test required*
   Department code: 1603

Return applications to:
BE, Room 16-267

Areas of Research offered for the Ph.D. Degree:
Biological Imaging
Biomaterials
Biomechanics
Biomolecular Engineering
Biophysics
Carcinogenesis
Computational Modeling
Drug Delivery
Drug Metabolism
Energy
Infectious Disease
Microbial Pathogenesis

Microbial Systems
Nanoscale Engineering
Neurobiological Systems
Omics
Pharmacology
Synthetic Biology
Systems Biology
Tissue Engineering
Toxicology
Transport Phenomena

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 Offic
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)
 MCAT: *Only allowed for Harvard MD/PhD*

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

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

Areas of research offered:
Cellular and Molecular Neuroscience
Cognitive Science
Computation
Systems Neuroscience

Special instructions:
Brain and Cognitive sciences requires ALL applicants to use the online application which is on the MIT Graduate Admissions website. Applicants should not send published papers, theses, writing samples or other supplemental material with their application.
Applicants **are** required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please complete the section for courses most relevant to this graduate program. The additional courses section is not required. Group courses by subject area, and complete each column.

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 15

Tests required:
IELTS: *Minimum score required: 7.5*
TOEFL: *Minimum score required: 100*
   TOEFL waiver accepted: No
   School code: 3514
   Department code: 99
GRE: *Yes   School code: 3514*
       Department code: 4409
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 required.

GRE or GMAT, TOEFL or IELTS scores must be received by January 15.

(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 1

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, Microfluidic
Nanotechnology
Polymers
Process Systems Engineering
PPSM: Program in Polymers and Soft Matter
Thermodynamics, Statistical Mechanics and Molecular Simulation
Transport Processes

Special instructions:
All applicants must use the Chemical Engineering specifi 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) 253-1851
Fax: (617) 258-0241
email: chemgradeducation@mit.edu
http://chemistry.mit.edu/

Type of degree offered:
Ph.D.

Term students can be admitted:
September

Application deadline:
December 15

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

Areas of research offered:
Biological Chemistry
Bio-Organic Chemistry
Inorganic Chemistry
Materials
Organic Chemistry
Physical Chemistry
Theory

Special instructions:
All applicants must use the online application specific to the Department of Chemistry. This application is available on the MIT Graduate Admissions website and the Department of Chemistry website.
The chemistry department encourages that, if possible, you mention in your Statement of Objectives essay, specific faculty whose research is of interest to you.
Applicants are required to complete the Record of Courses Taken in Preparation for Graduate Study form. Please list science and mathematics courses only. Group courses by subject area, and complete only the columns for course name, academic year, and official grade.
Only official transcripts will be accepted by mail. No other materials will be accepted. An official copy of your transcript should be mailed to: Department of Chemistry, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Room 6-205, Cambridge, MA 02139.

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.S.T.
Interdepartmental Program in Transportation
Joint Programs
Leaders for Global Operations
Woods Hole Oceanographic Institution

Academic Records (Transcripts):

A PDF copy of an original transcript (in Enlish) 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-338
Phone: (617) 253-6668
Fax: (617) 253-6910
email: cms-admissions@mit.edu
http://cmsw.mit.edu/education/comparative-media-studies/masters/how-to-apply/

Type of degree offered:
S.M.

Term students can be admitted:
September

Application deadline:
January 1

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

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

Special instructions:

Applicants are expected to use the online application. All additional materials should be uploaded to the electronic application. Original transcripts are only required upon acceptance and should be mailed to: Comparative Media Studies Massachusetts Institute of Technology 77 Massachusetts Avenue, Room 14N-338 Cambridge, MA 02139-4307

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

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

Applicants who wish to be considered for financial aid should identify at least one research group suitable to their background, academic interests, and research goals. http://cmsw.mit.edu/research-groups/

Computation for Design and Optimization (CDO)

Room: 35-329
Phone: (617) 253-3725
email: cdo_info@mit.edu
http://cce.mit.edu/cdo

Type of degree offered:
S.M.

Term students can be admitted:
September

Application deadline:
January 11

Tests required:
GRE: *general test required;*

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. All supporting materials, including transcripts, should be uploaded to the electronic application. Official transcripts are only required upon acceptance and will be requested at a later date.

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

Computational Science and Engineering (CSE)

Room: 35-332
Phone: (617) 253-3725
email: cse_info@mit.edu
http://computationalengineering.mit.edu/cse

Types of degrees offered:
Ph.D.

Terms students can be admitted:
September
Application deadline:
December 15
Tests required:
GRE: *general test required;*
IELTS: Minimum score required: 7
Joint Departments:
Aeronautics and Astronautics
Chemical Engineering
Civil and Environmental Engineering
Mechanical Engineering
Nuclear Science & Engineering
Special Instructions:
Most departments require the completion of an SM degree before admission to the PhD program is granted. As a result, applicants to those departments holding a Bachelor's degree will be considered for admission to the SM program of the participating department with an ultimate degree objective of PhD in CSE.

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)*
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 off cial 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: 100 (iBT) 577 (PBT) TOEFL waiver granted under special circumstances: See our admissions FAQ page for waiver guidelines. Department code: 84 GRE: general test required Department code: 1801*

Submit applications to:
https://gradapply.mit.edu/economics

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

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 Institution

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.

Institute for Data, Systems, and Society (ESD)

Applicants should contact the program they are applying to with their questions.
http://idss.mit.edu/academics/

Types of degrees offered:

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

Institute for Data, Systems, and Society (ESD)

http://idss.mit.edu/academics/

Tests required:
IELTS: *Minimum score required: 7.5*
GRE: *general test required.*

Minimum score required: Verbal: 157 (150 non-native speakers), Quantitative: 159, Analytical Writing: 4.0

Special instructions:
Admitted applicants must also arrange for official transcripts and test scores to be sent to IDSS for verification purposes.

*****

Space Reserved for Further Details about IDSS Program

*****

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).*

Possible areas of research:
Aerospace Systems
Assistive Technologies
Climate
Complex Socio-Technical System Analysis
Development Policy
Energy
Environment
Health Care, Pharmaceutical, and Service Industries
Human-Systems Engineering
Industries/Industrial Studies
Information Technology, Information Systems, Software Engineering
Innovation/Innovation Policy
International Relations
Logistics and Supply Chain Management
Manufacturing (economics, materials, environmental policy, strategy)
Networks, Distributed Simulation Systems
Product and Process Design and Development, Technical Innovation
Risk and Safety Analysis
Risk Management/Decision Analysis
Science and Technology Policy
Social and Organizational Psychology/ Learning
System Architecture, Systems Engineering
Transportation Systems

Special instructions:
Applicants must apply online. Paper applications will not be considered.

The Technology & Policy Program (part of the Institute for Data, Systems, and Society) requires applicants to use the online TPP 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) 253-3609
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:
IELTS: *Minimum score required: 7*
TOEFL: *Minimum score required: 100 (iBT) or 600 (PBT) Department code: 99*
GRE: *General test required Department code: 0600*

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 and should be noted as such in the Test Scores/Experience section. Other waiver inquiries should send email.

Academic Records (Transcripts):
A PDF copy of transcript (in English) from each university should be uploaded with the application. Only candidates invited to interview will be required to have official, original, sealed transcripts sent to us from their university's registrar.

Special Instructions:
HST requires all applicants to use the online application, see instructions below. Applications through MIT 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. Group courses by subject area, and complete each column. All test scores and letters of recommendation must be received no later than December 31 for an application to be considered complete.

MEMP THROUGH MIT

Applicants should apply on-line at
https://gradapply.mit.edu/hst (recommended)

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

MEMP THROUGH HARVARD

Applicants should apply online at http://
www.gsas.harvard.edu/
prospective_students/
admissions_overview.php
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:
December 15
Tests required:
IELTS: *Minimum score required: 7*
TOEFL: *Minimum score required: 90 iBT*
(233 for computer-based; 577 for paper-based)
IELTS or TOEFL may be waived
by department.
GRE: *general test required*
Department code: 2703

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

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

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 M.B.A. & S.M. from
    Sloan School of Management and School
    of Engineering)
Medical Engineering/Medical Physics
    (MEMP) (Ph.D.) – see HST
Microbiology (MICRO) (Ph.D)
Operations Research Center (ORC)
    (S.M., Ph.D.)
Program in Polymers and Soft Matter
    (PPSM) (Ph.D.)

Leaders for Global Operations Program

The program awards a dual-degree MBA & SM
in an engineering field. Applicants apply with
one application, either through MIT Sloan's
application system or through the participating
engineering department's application page.
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, high-tech management,
systems engineering.*

Aeronautics and Astronautics
Biological Engineering
Chemical Engineering

Civil and Environmental Engineering
Electrical Engineering and Computer Science
Mechanical Engineering

Special instructions:
See the LGO website for specific application
details: http://lgo.mit.edu/apply.

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/philosophy/
admission. html

Type of degree offered: Ph.D.

Term students can be admitted:
September

Application deadline:
January 2

Tests required:
The department of Linguistics and
    Philosophy will accept TOEFL
or the IELTS.
TOEFL: *Minimum score required: 90 (iBT)*
    (577 PBT)

    TOEFL may be waived by department
    Department codes: 04 (Linguistics)
        20 (Philosophy)
IELTS: *Minimum score required: 6.5*
GRE: *general test required for Philosophy Program*
Department Code: 2804
GRE not required for Linguistics Program
Areas of research offered:
Linguistics
Philosophy
Special instructions:
Applicants to the Department of Linguistics
and Philosophy are required to submit a
writing sample as part of their application.
Applicants to the Linguistics Program should
include copies of one or more research
papers or other written work relevant to
their application. These papers need not
necessarily be about linguistics, but they
should demonstrate an applicant's ability to
pursue serious scholarly inquiry. Submitting
more than one piece of work is especially
appropriate for applicants with research
experience in multiple relevant areas. Papers,
research reports, theses, or insightful solutions
to problem sets are all helpful in assessing
an application. At least one of the writing
samples should be written in English, but
submissions in other languages can sometimes

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

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

As an alternative, you may also propose a project that you have not undertaken, if you have thought about it with enough depth and care to answer the questions listed above. The summary should be understandable and engaging to an educated reader who is not necessarily a specialist in the area of the project. The described project does not need to refle t 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 waiveres 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 Polymers and Soft Matter

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: E18-366
Phone: (617) 452-2007
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)

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 and these are required only after a student has been offered admission.

Mechanical Engineering, Course II

Room: 1-112
Phone: (617) 253-2291
Fax: (617) 258-5802
email: megradoffice@ it.edu
http://meche.mit.edu

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

Terms students can be admitted:
June, September

Application deadlines:
December 15

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

(continued)

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
Microfluid
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

Tests required:
All applicants from non-English speaking
countries must take the IELTS exam; TOEFL
is not accepted.
IELTS: Minimum score required: 7
Department code: 3514
IELTS can be waived by the department
under certain circumstances (1) if you have
received instruction in English in primary and
secondary school or (2) if you have been in
the US for three years and will have received
a degree from an American institution before
entering MIT. Requests should be made in
writing well in advance of the application
deadline. By December 15.
GRE: No

Special instructions:

1) Applicants must specify three faculty with
whom they are applying to work. A list of
faculty groups who are admitting students can
be found at http://www.media.mit.edu/mas/
admissions/research-groups
2) Portfolios (containing publications, theses,
awards, designs and other work) should be
submitted as a URL in the appropriate field
in the application.
3) All supplemental materials should be
submitted using the online application system.
Hardcopies are not accepted.

Microbiology (MICRO)

Room: 68-139
Phone: (617) 324-0055
Fax: (617) 253-8699
email: microbiology@mit.edu
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. Officia 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: 54-820
Phone: (617) 253-7544
email: mit-whoi-www@mit.edu
http://mit.whoi.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: 100 (iBT) 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, at https://gradapply.mit.edu/whoi/apply/
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

Nuclear Science and Engineering, Course XXII

Room: 24-102
Phone: (617) 253-3814
email: cegan@mit.edu
http://web.mit.edu/
nse/

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

Terms students can be admitted:
June, September

Application deadline:
December 15

Tests required:
IELTS: *Minimum score required: 7*
TOEFL: *Minimum score required: 577*
 (233 for computer-based; 90 for internet-based)
 TOEFL waiver accepted: No
 Department code: 69
 All international students must take either the TOEFL or the IELTS.
GRE: *general test required*
 Department code: 1609

Areas of research offered:
Fission Reactor and Fuel Cycle Engineering
Fusion and Plasma Physics (theory/
 computation)
Fusion and Plasma Physics (experiment/
 engineering)
Materials (theory/computation and
 experiment)
Quantum Engineering
Accelerators, Detectors & Nuclear Security
Nuclear Technology Management and Policy

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

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: 100 (iBT)*
TOEFL Waiver: Yes (only for applicants with 4+ years in a US English speaking university)
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 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.
3) CVs or resumes can be uploaded to the application (hard copies will not be accepted).
4) Applicants are required to complete the Record of Courses Taken. Please complete the section for courses most relevant to the OR program.

Academic Records (Transcripts):
Official transcripts should be scanned and uploaded as PDF attachments to the online application. Admitted applicants will be required to provide an official sealed transcript from each college attended.

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 Proficieny 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/graduate/
admissions

Term students can be admitted:
September

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

Application deadline:
December 15

Tests required:
TOEFL: *Minimum score required: 600 (PBT)
    100 (iBT) 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*

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 resume and a separate writing sample of 5–15 pages. Writing samples and resumes should be uploaded as PDF attachments to the online application. Please refer to the department website for further instructions

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
Models and Methods
Political Economy
Security Studies

Program in Polymers and Soft Matter (PPSM)

Room: 76-253
Phone: (617) 253-0949
Fax: (617) 452-3293
email: ppsm-www@mit.edu

http://polymerscience.mit.edu

Types of degrees offered:
Ph.D., Sc.D.

Terms students can be admitted:
September

Application deadlines:
December 15

Tests required:
Refer to the "Home" department's (see below) requirement for GRE and TOEFL.

Special instructions:
Applications to the Program in Polymers and Soft Matter 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 "PPSM" or "Program in Polymers and Soft Matter" 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 PPSM Admissions, Room 76-253. Only one application fee is required. Admission to the departmental program is a prerequisite for further consideration by PPSM; once the candidate has been accepted to a department, his or her application will be forwarded by that department to the PPSM 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-338
Phone: (617) 253-6668
Fax: (617) 253-6910
email: sciwrite-www@mit.edu
sciwrite.mit.edu

Type of degree offered: S.M.

Term students can be admitted:
September

Application deadline:
January 15

Tests required:
IELTS: *Minimum score required: 7.5*
or
TOEFL: *Minimum score required: 600
(250 for computer-based)*
GRE: *general test required
Department code: 4599*

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

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:

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
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
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*
TOEFL: *100 (iBT)*
GRE or GMAT: *general test required.*
  *Minimum score required: No
  GRE Institute code: 3514
  GRE Department code: 4313
  GMAT code: X5X-QS-17*

Special instructions:
Applicants to the SCM Program will find
complete information about applying on the
web at http://scm.mit.edu. Applicants must
apply online.

System Design and Management Program (SDM)

Room: E40-315
Phone: (617) 425-2432
Fax: (617) 253-1462
email: sdm@mit.edu
http://sdm.mit.edu
Term students can be admitted:
September
Application deadlines:
January 8, February 26, April 22
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*

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

Technology and Policy Program (TPP)

For program details, see Institute for Data,
Systems, and Society, page 9.

Urban Studies and Planning, Course XI

Room: 7-346
Phone: (617) 253-9403

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:
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:
Admitted students must mail official
transcripts to the department at:
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 field .

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

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

Program groups offered:
City Design and Development Environmental
Policy Program
Housing, Community and Economic
  Development
International Development Group
Transportation*
  *Although we do not have a separate Program
  Group focusing on issues of transportation,
  many DUSP students choose this as an area
  of focus. Applicants with particular interest in*

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

Urban Information Systems*

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

The Campus

Research Facilities

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

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

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

Housing Services

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

On-campus housing and services for married students

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

On-campus housing for single students

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

Health and Counseling Services

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

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

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

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

Student Activities

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

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

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

Security and Safety

For information on security and safety on MIT's campus, please visit the link below. Hard copies of this report are available upon request.
http://police.mit.edu/sites/default/files/MIT-Police-Files/Documents/MIT-Police-security-report-2015.pdf

For International Students

English Language Proficiency

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

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

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

Passport and Visas

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

Visa Options

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

The F-1 visa

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

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

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

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

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

The J-1 Exchange Visitor Visa

This visa may be used by those who come to study or conduct research as participants in an Exchange Visitor program. Students must be substantially (more than 51%) funded by their home government, educational institutions, international or national organizations, private companies, etc. in order to be eligible for a J-1 visa. Students on personal/family funds are not eligible for J-1 status; they must apply for F-1 status. The J-1 visa is obtained by presenting to the American Consul form DS 2019 (Certificate of Eligibility). When students accept funding from the Fulbright or any other agency of the US government or their own governments (even though it may be only a travel grant), this status carries with it a "two-year home country residency requirement," which obliges students to return to their home countries for two years before they can apply for permanent residency or change to an H or L visa. In addition, this restriction applies to students from certain countries which have registered a list of needed skills with the American government. Students intending to use the J-1 visa to enter the US should ask the US Consul in their home country whether or not they will be subject to the two-year home residency requirement.

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

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

Financial Aid

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

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

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

Expenses

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

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

Questions

If you have additional questions, please contact:

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

Phone: 617-253-3795