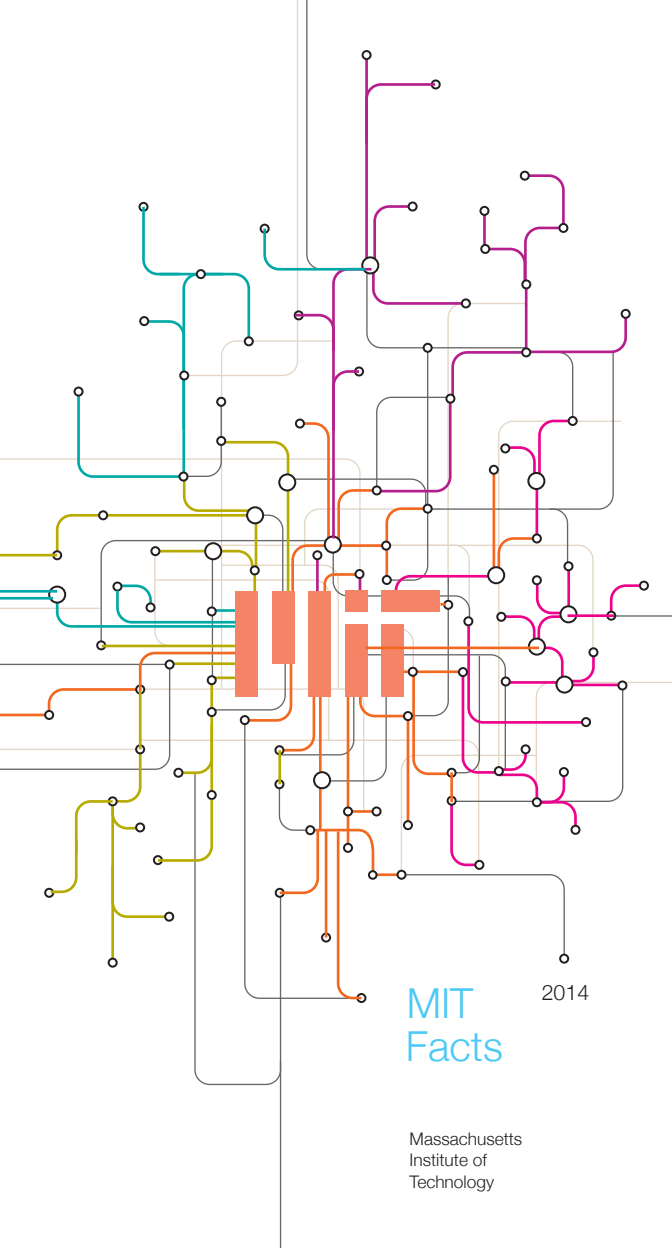

MIT Facts

2014

Massachusetts
Institute of
Technology

MIT Facts 2014

Massachusetts Institute of Technology

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web.mit.edu

January 2014

This publication was prepared by MIT Reference Publications. Send comments and queries to referencepubs@mit.edu.

An online version of *MIT Facts*, with links to additional information about the topics covered here, is available at http://web.mit.edu/facts.

Cover design by Wing-Ip Ngan, ink design, inc.
Campus map by MIT Department of Facilities and Wing-Ip Ngan, with ship by Marius Ursache.

Contents

MIT at a Glance

History

Incorporated by the Commonwealth of Massachusetts on April 10, 1861

Motto

Mens et manus—"Mind and Hand"

Campus

168 acres in Cambridge, Massachusetts
18 student residences
26 acres of playing fields

Employees

Approximately 11,380 (including faculty)

Faculty

Professors (all ranks): 1,030
Other teaching staff: 779

Selected Honors (MIT Community, Current and Former)

80 Nobel Laureates
56 National Medal of Science winners
43 MacArthur Fellows
28 National Medal of Technology and Innovation winners

Undergraduate Majors and Minors

Major programs: 46
Minor programs: 49

Freshman Admission, Class of 2017

Applicants: 18,989
Admits: 1,548
Percentage admitted: 8.2%

Students, Academic Year 2013–2014

Total: 11,301

Undergraduate students: 4,528
Women: 2,041 (45%)
Minorities: 2,305 (51%)

Graduate students: 6,773
Women: 2,121 (31%)
Minorities: 1,339 (20%)

International Students, 2013–2014

Undergraduate students: 435
Graduate students: 2,746
Exchange, visiting, special students: 369

Undergraduate Cost, 2013–2014

Tuition: $43,210
Room, board, and fees: $12,744

Undergraduate Financial Aid, 2012–2013

Students receiving some form of financial aid: 90%
Students awarded need-based MIT scholarship: 58%
MIT families earning less than $75,000 annually: 32%
Average need-based financial aid award: $40,952

Mission

The mission of MIT is to advance knowledge and educate students in science, technology, and other areas of scholarship that will best serve the nation and the world in the 21st century.

The Institute is committed to generating, disseminating, and preserving knowledge, and to working with others to bring this knowledge to bear on the world's great challenges. MIT is dedicated to providing its students with an education that combines rigorous academic study and the excitement of discovery with the support and intellectual stimulation of a diverse campus community. We seek to develop in each member of the MIT community the ability and passion to work wisely, creatively, and effectively for the betterment of humankind.

Schools and Departments

School of Architecture and Planning

Architecture (Course 4)
Media Arts and Sciences (MAS)
Urban Studies and Planning (Course 11)

School of Engineering

Aeronautics and Astronautics (Course 16)
Biological Engineering (Course 20)
Chemical Engineering (Course 10)
Civil and Environmental Engineering (Course 1)
Electrical Engineering and Computer Science (Course 6)
Engineering Systems Division (ESD)

Materials Science and Engineering (Course 3)
Mechanical Engineering (Course 2)
Nuclear Science and Engineering (Course 22)
Institute for Medical Engineering and Science

School of Humanities, Arts, and Social Sciences

Anthropology (Course 21A)
Comparative Media Studies/Writing (Course CMS/Course 21W)
Economics (Course 14)
Foreign Languages and Literatures (Course 21F)
History (Course 21H)
Humanities (Course 21)
Linguistics and Philosophy (Course 24)
Literature (Course 21L)
Music and Theater Arts (Course 21M)
Political Science (Course 17)
Science, Technology, and Society (STS)

MIT Sloan School of Management

Management (Course 15)

School of Science

Biology (Course 7)
Brain and Cognitive Sciences (Course 9)
Chemistry (Course 5)
Earth, Atmospheric, and Planetary Sciences (Course 12)
Mathematics (Course 18)
Physics (Course 8)

MIT–WHOI Joint Program in Oceanography and Applied Ocean Science and Engineering

Degrees Offered

Bachelor of Science (SB)
Master of Architecture (MArch)
Master of Business Administration (MBA)
Master in City Planning (MCP)
Master of Engineering (MEng)
Master of Finance (MFin)
Master of Science (SM)
Engineer (each degree designates the field in which it is awarded)
Doctor of Philosophy (PhD)
Doctor of Science (ScD)

Faculty and Staff

The MIT faculty instructs undergraduate and graduate students and engages in research. As of October 2013, the Institute's total teaching staff includes:

Type of teaching staff	Count
Professors	661
Associate professors	199
Assistant professors	170
Senior lecturers, lecturers, and professors emeriti	587
Instructors (including technical instructors)	156
Professors of the practice and adjunct faculty	36

- MIT employs approximately 11,380 individuals on campus.
- There are 1,030 faculty members (professors of all ranks), including 225 women.
- Minority group representation among faculty includes American Indian or Alaska Native, Black, Hispanic, and Asian.
- The student-faculty ratio is 8:1.

Members of the MIT community have received accolades too numerous to list. Several of the most notable honors and awards follow.

Eighty present and former members of the MIT community have won the **Nobel Prize**, including nine current faculty members: H. Robert Horvitz, medicine/physiology (2002); Wolfgang Ketterle, physics (2001); Robert C. Merton, economics (1997); Richard R. Schrock, chemistry (2005); Phillip A. Sharp, medicine/physiology (1993); Susan Solomon, peace (co-chair of IPCC Working Group One recognized under Intergovernmental Panel on Climate Change, 2007); Samuel C. C. Ting, physics (1976); Susumu Tonegawa, medicine/physiology (1987); and Frank Wilczek, physics (2004).

Thirty-nine current and former members of the MIT faculty have received the **National Medal of Science**. Current faculty medalists are Sallie Chisholm (2012), Ann M. Graybiel (2001), Rudolf Jaenisch (2011), Robert S. Langer (2006), Susan Lindquist (2010), Stephen J. Lippard (2004), Alexander Rich (1995), Phillip A. Sharp (2004), Susan Solomon (1999), JoAnne Stubbe (2008), and Robert A. Weinberg (1997). One current and two emeritus faculty members have been awarded the **National Medal of Technology and Innovation.** The current faculty medalist is Robert S. Langer (2012).

Eleven current and former members of the faculty have won the **John Bates Clark Medal**. The current faculty medalists are Daron Acemoglu (2005), Esther Duflo (2010), Amy Finkelstein (2012), and Jerry Hausman (1985).

Four present and former members of the MIT community have been awarded the **Pulitzer Prize**.

The current medalists are faculty members Junot Díaz (2008) and John H. Harbison (1987) and staff member B. D. Colen (1984).

Two current faculty members, Tim Berners-Lee (2004) and Robert S. Langer (2008), have won the **Millennium Technology Prize**.

There are 67 **Guggenheim Fellows**, six **Fulbright Scholars**, and 22 **MacArthur Fellows** among current MIT faculty and staff. The MacArthur Fellows are Angela Belcher, Tim Berners-Lee, Erik D. Demaine, Junot Díaz, Esther Duflo, Linda G. Griffith, John H. Harbison, Dina Katabi, Eric Lander, Heather N. Lechtman, Nergis Mavalvala, John A. Ochsendorf, David C. Page, Daniela L. Rus, Sara Seager, Peter W. Shor, Amy B. Smith, Marin Soljačič, Richard M. Stallman, Frank Wilczek, Jack Wisdom, and George Zweig.

Seventy-seven current MIT faculty and staff are members of the **National Academy of Sciences**, 63 are members of the **National Academy of Engineering**, and 33 are members of the **Institute of Medicine**.

The title of **Institute Professor** is the highest honor awarded by the faculty and administration at MIT. The current Institute Professors are Emilio Bizzi, Ann M. Graybiel, John H. Harbison, Robert S. Langer, Barbara Liskov, John D. C. Little, Thomas Magnanti, Joel Moses, Phillip A. Sharp, Daniel I. C. Wang, and Sheila Widnall. Institute Professors emeriti are Noam A. Chomsky, John M. Deutch, Peter A. Diamond, Mildred S. Dresselhaus, Jerome I. Friedman, Morris Halle, Mario J. Molina, Isadore M. Singer, Robert M. Solow, and John S. Waugh.

Admission

The selection process at MIT is holistic and student-centered: each application is evaluated within its unique context. No school, state, or regional quotas are applied; neither is preference given to those with alumni relations. Selection is based on outstanding academic achievement as well as a strong match between the applicant and the Institute, including:

- Alignment with MIT's mission
- Collaborative and cooperative spirit
- Initiative and risk-taking
- Hands-on creativity
- Intensity, curiosity, and excitement
- Balancing hard work with downtime

Selected 2013 Undergraduate Admissions Statistics

- Applications for freshman admission were received from 18,989 candidates.
- Admission was offered to 1,548 candidates (8.2 percent), of whom 1,115 enrolled.
- Approximately 45 percent of the freshman class was female.
- A majority had attended public high schools.
- Seventeen percent were among the first generation in their family to attend college.
- Eight percent were international citizens hailing from 52 countries.
- Forty-eight US states were represented.

Applicants for graduate degree programs are evaluated for previous performance and professional promise by the department in which they wish to register.

Selected 2013 Graduate Admissions Statistics

- Applications for graduate study were received from 24,029 candidates.
- Of the 3,320 candidates who received offers of admission, 2,163 (65 percent), registered in advanced degree programs at MIT.

For more information, visit http://mitadmissions.org.

Enrollments 2013–2014

Undergraduate Enrollment: 4,528

First-year, undeclared second-year, and special undergraduate students		Number
First-year*		1,118
Undeclared second-year*		5
Special undergraduate students		18
By school	**Major**	**2nd Major**
Architecture and Planning	46	2
Engineering	2,311	55
Humanities, Arts, and Social Sciences	116	34
Management	79	24
Science	835	118

*MIT students do not enroll in an academic department until the start of their sophomore year, and may defer decision on a course of study until the end of that year.

Graduate Enrollment: 6,773

School	Master's	Doctoral	Special
Architecture and Planning	404	182	0
Engineering	1,043	2,131*	150
Humanities, Arts, and Social Sciences	27	296	1
Management	1,287	139	6
Science	5	1,095	7

*Includes 178 students working on Harvard degrees only through the Health Sciences and Technology program.

Women have attended MIT since 1871. In fall 2013, 2,041 women were enrolled as undergraduates (45 percent) and 2,121 as graduate students (31 percent).

US minority groups were represented by 2,305 undergraduates (51 percent) and 1,339 graduate students (20 percent).

Minority Group Representation among Students

Minority group	Undergraduate	Graduate
African American	345	141
American Indian or Alaska Native	70	63
Asian American	1,210	830
Hispanic	669	300
Native Hawaiian or other Pacific Islander	11	5

In 2013–2014, MIT students come from all 50 states, the District of Columbia, three territories, and 114 foreign countries.

For more information, visit http://web.mit.edu/registrar.

International Students and Scholars

There are 3,181 international students enrolled in degree programs at MIT—435 undergraduates and 2,746 graduate students—for the current academic year. Additionally, there are 369 exchange, visiting, and special students on campus.

During academic year 2012–2013, MIT hosted 2,248 international scholars from 90 countries, who engaged in teaching and research in 77 different departments, laboratories, and centers.

International Students and Scholars by Region

Region	Students*	Scholars*
Asia	50%	44%
Europe	23%	37%
Canada	7%	6%
Latin America and the Caribbean	10%	5%
Middle East	6%	6%
Africa	3%	1%
Oceania	1%	1%

*Percentages are rounded.

Tuition and Financial Aid

Undergraduate Tuition and Living Expenses

Nine months' tuition and fees for 2013–2014 is $43,210. In addition, undergraduate room and board is approximately $12,744, depending on the student's housing and dining arrangements. Books and personal expenses are about $2,778.

Undergraduate Financial Aid

The Institute's undergraduate financial aid program ensures that an MIT education is accessible to all qualified candidates regardless of their financial circumstances. MIT provides financial aid to meet the full price of an MIT education, based on the calculated financial need of the family. In 2012–2013, approximately 61 percent of all undergraduates received some type of need-based financial aid. For students with a family income under $75,000, the Institute ensures that scholarship funding from all sources will allow them to attend MIT tuition-free.

Financial need is the difference between the price to attend MIT and the family's ability to finance that price, which is determined using information parents provide on the Free Application for Federal Student Aid (FAFSA) and the College Scholarship Service (CSS) Profile. The first $6,000 of financial need is met with an offer of a student loan/term-time job. The remaining need, if any, is met with MIT scholarship. Students receiving scholarships and grants from sources outside MIT may use this financial aid to replace the self-help expectation.

Selected Undergraduate Financial Aid Statistics, 2012–2013

Average net price of an MIT education	$38,046
Average need-based MIT scholarship	$33,697
Average need-based financial aid award	$40,952
Students awarded a need-based MIT scholarship	58%
Students receiving some form of financial aid	90%
MIT families earning less than $75,000 annually	32%
Class of 2013 graduates with student loan debt	41%
Average student loan debt for those who borrowed	$18,000
Median debt at graduation for those who borrowed	$11,000
Average term-time earnings for those who worked	$3,050

Graduate Tuition and Living Expenses

Graduate students generally incur greater expenses than undergraduates. Most attend the Institute for a calendar year rather than an academic year, increasing the cost of tuition. In 2013–2014, nine months' tuition and fees is $43,210 (specific programs and departments may have different tuition amounts). Summer term tuition in 2013 was $14,395 for students enrolled in courses.

MIT's residential system can accommodate about one-third of its graduate students; the rest find housing in the Boston/Cambridge

area. Graduate students' costs for housing, food, books, medical insurance, and incidentals vary widely, depending on marital status, quality-of-life expectations, and housing arrangements. For example, monthly charges for on-campus housing range from $760 to $1,695 for single students and from $1,234 to $1,826 for family housing.

Graduate Financial Aid

Financial aid for graduate students is in large part provided by individual departments, and the amount of aid varies significantly. Financial support includes fellowships, traineeships, teaching and research assistantships, and loans. Most forms of support are granted for merit, while others are granted for financial need or a combination of merit and need.

Academics

Undergraduate Education

MIT's strength—as represented by its official seal and motto, *mens et manus*, mind and hand—is the fusion of academic knowledge with practical purpose. MIT believes the best education occurs when students are self-motivated and engaged participants in a dynamic community of learners. Consequently, an MIT undergraduate education combines rigorous academics with a "learning-by-doing" approach.

One avenue for student engagement is the Undergraduate Research Opportunities Program (UROP), pioneered at MIT in 1969 and now emulated in academic institutions around the globe. UROP offers students the opportunity to join a faculty-led research team or to initiate their own research

project. Projects may be conducted on a pay, credit, or voluntary basis, and may last for one semester or continue for a full year or more. Another unique feature of an MIT education is the Independent Activities Period, a special four-week term in January that encourages students to set their own agenda within a creative and flexible environment.

As part of a complete MIT experience, undergraduates are encouraged to add an international dimension to their education. Students can choose from Institute-wide or departmental study-abroad programs. They can also choose to conduct research abroad, assist with building sustainable communities overseas, or venture out on fieldwork or internships arranged through MIT International Science and Technology Initiatives or the International Development Initiative.

MIT undergraduates can also take advantage of cross-registration at several Boston-area universities and art schools. Leadership training opportunities include the Bernard M. Gordon-MIT Engineering Leadership Program and ROTC programs in the United States Army, Navy/Marine Corps, and Air Force.

Selected Undergraduate Facts

- MIT offers 46 undergraduate major and 49 minor programs.
- Freshmen seeking a more collaborative environment can choose to participate in an alternative learning community, such as the Concourse Program, Experimental Study Group, Media Arts and Sciences Freshman Program, or Terrascope.

- MIT's General Institute Requirements ensure that all students are broadly educated in the physical, natural, and social sciences.
- The first semester at MIT is graded on a pass/no record basis.
- Over 55 percent of MIT undergraduates participate in UROP yearly, with 88 percent having done so by the time they graduate.
- MIT has 478 active student groups, including 75 academic organizations, 72 ethnic and cultural associations, 46 arts groups, 26 religious organizations, 21 activism groups, and many more.
- In 2013–2014, approximately 1,900 students were affiliated with a fraternity, sorority, or independent living group (FSILG); of those, approximately 1,100 chose to live in a FSILG community as an alternative to a traditional residence hall.
- Nearly 40 percent of graduating seniors reported participating in an international experience while at MIT.

Graduate Education

MIT graduate programs provide collaborative environments for advanced study by students and faculty working together to extend the boundaries of knowledge.

Traditionally a leader in engineering and science graduate education, MIT has also attained national prominence for its doctoral programs in mathematics and the physical and life sciences. Top-ranked graduate programs in economics; political science; linguistics; science, technology, and society; architecture; media studies; urban studies; and management have broadened the spectrum of graduate education at MIT.

Graduate students may pursue the following degrees:

Master of Science (SM)
Master of Architecture (MArch)
Master of Business Administration (MBA)
Master in City Planning (MCP)
Master of Engineering (MEng)
Master of Finance (MFin)
Engineer
Doctor of Philosophy (PhD)
Doctor of Science (ScD)

Cross-registration opportunities at Harvard and Wellesley, joint degree programs with the Woods Hole Oceanographic Institution, the Harvard-MIT Health Sciences and Technology Program, and the Graduate Consortium in Women's Studies are significant resources for graduate students. Other study opportunities are also available at Brandeis, Tufts, and Boston University.

Selected Graduate Facts

- The admissions process for graduate programs at MIT is decentralized. Applicants apply directly to the academic department or degree-granting program of interest.
- There is no cap on the number of graduate students admitted to MIT. Departments admit as many as they can support based on their research assistantship, teaching assistantship, and fellowship resources, as well as the number of faculty available to advise on research.
- In the 2012–2013 academic year, doctoral students were supported with fellowships (32 percent), research assistantships (48 percent), and teaching assistantships (11 percent). Nine percent received some other form of support or no support.

- There were 6,773 graduate students enrolled at MIT in the fall term of 2013. Forty-one percent were international students. Thirty-six percent of all graduate students were housed on campus.
- Graduate students constitute 60 percent of the total 2013–2014 student population.

MIT Libraries

MIT's libraries are redefining the role of the 21st-century library, supporting the Institute's programs of research and study in both innovative and traditional ways. Students, faculty, and researchers can tap into a vast array of library resources from classrooms, dorm rooms, or on-the-go through the Libraries' mobile website. Library locations offer technology-enabled rooms for group collaboration and virtual meetings with peers across the globe, as well as quiet spaces for individual study. Students can learn about the Libraries' resources and research tools in workshops, online tutorials, and in-person consultations.

Selected Library Facts

- The Libraries have over five million items in print and digital formats, including electronic journals and books, images, maps, musical scores, and sound and video recordings.
- Several libraries offer secure 24/7 study spaces accessible with a student ID.
- Library partnerships allow students, faculty, and researchers to visit or request materials from more than 25 academic libraries in the northeast, and to borrow articles and other materials from libraries worldwide.
- The Libraries offer innovative services for bioinformatics, geographic information systems, data management, and publishing.

- The Institute Archives and Special Collections, a unit of the Libraries, contains MIT's founding documents and the personal papers of noted faculty. The adjacent Maihaugen Gallery features ongoing exhibits of rare and unique items from the collections.
- DSpace@MIT, an innovation of the Libraries, is a digital repository containing over 60,000 items, including MIT theses and the scholarly works of MIT faculty and researchers, labs, and centers.

For more information about the MIT Libraries, visit http://libraries.mit.edu.

Computing on Campus

The computing environment at MIT supports an impressive array of information technologies and resources, many of them notable to MIT.

MITnet. The campus network is part of the MIT Regional Optical Network—a 2,500-mile optical ring connecting Boston, New York City, and approximately 10 other locations. The optical network provides connectivity to key internet exchange points at speeds of 10 Gbps and beyond, making it one of the world's largest and fastest institutional networks for global research and collaboration.

Mobility. MIT is a fully wireless campus with an extensive mobile web—m.mit.edu—featuring customized applications for the iPhone and Android platforms.

Devices. About 40,000 devices access MIT's network regularly. Close to 90 percent of MIT students arrive on campus with a laptop or a mobile device

(and often both), with a 2:1 ratio of Macintosh to Windows machines across the campus.

Kerberos. Created at MIT, Kerberos—which was originally developed to secure network services on Athena, MIT's main academic computing environment, which provides academic software, courseware, and public computing facilities primarily to students—is the widely adopted protocol for network authentication. The Kerberos Consortium was launched in 2007 to create a "universal authentication platform" to protect the world's computer networks.

Systems. Stellar, MIT's course management system, currently houses 1,000 sites containing course materials, assignments, and other class activities. WebSIS, the student information system, provides access to personal records, course information, and scheduling.

Support. An extensive Help Desk handles about 150 service requests per day, and Hermes, a self-help knowledge base, draws on the cumulative intelligence of the MIT community. Support for high performance research computing in our data centers is also provided.

For more information about MIT's computing environment, visit http://ist.mit.edu.

Digital Learning

In November 2012, MIT established the **Office of Digital Learning** (ODL) to explore the potential of new digital learning technologies to transform education at the Institute and around the world. This new organization brings together key capabilities of the Institute in support of MIT's mission to educate its students and the world. ODL programs collec-

tively reach thousands of enrolled MIT students and hundreds of millions of educators and learners worldwide.

MITx creates the massive open online courses (MOOCs) from MIT that appear on the edX platform. As of fall 2013, MITx has offered nine different courses on edX, which have attracted more than 750,000 total enrollments. MITx also supports on-campus experimentation with edX tools in MIT residential courses.

MIT OpenCourseWare (OCW) has made classroom-based educational materials available widely and freely online for more than a decade. It shares core academic materials—including syllabi, lecture notes, assignments, and exams—from more than 2,180 undergraduate and graduate MIT courses under an open license that allows for wide and flexible reuse of the content. OCW materials have been accessed by an estimated 170 million educators and learners worldwide.

The **Office of Educational Innovation and Technology** (OEIT) partners with faculty, staff, and students in the exploration, development, and dissemination of innovative uses of technology for teaching and learning in the classroom and online. OEIT projects strengthen the teaching and learning of science, technology, engineering, and mathematical concepts at MIT and beyond through visualization tools, concept-based navigation of educational resources, and support for developing modular online courses.

Academic Media Production Services (AMPS) provides a wide range of video production services

to the MIT community in support of education, research, communication, and outreach. Services include video capture, post-production, and delivery of MIT courses, events, and distance education programs. AMPS also supports video production for both MITx and MIT OpenCourseWare.

For more information about ODL and its programs, visit http://odl.mit.edu.

Accreditation

MIT is accredited by the New England Association of Schools and Colleges, Inc., through its Commission on Institutions of Higher Education.

Inquiries regarding MIT's accreditation status should be directed to the Office of the Vice President and Secretary of the Corporation, Massachusetts Institute of Technology. Individuals may also contact:

Commission on Institutions of Higher Education
New England Association of Schools and Colleges
3 Burlington Woods Drive
Burlington, MA 01803-4531
781.425.7714
cihe@neasc.org

Many degree programs at MIT are accredited by specialized professional accrediting bodies, including ABET, the American Chemical Society, the Association to Advance Collegiate Schools of Business, the National Architectural Accrediting Board, and the Planning Accreditation Board. Academic departments can provide information on the accreditation of the specific degree programs they offer.

Campus Life

The Campus

MIT is located on 168 acres that extend more than a mile along the Cambridge side of the Charles River Basin (see center spread). The central group of interconnecting buildings, dedicated in 1916, was designed by architect W. Welles Bosworth (Class of 1889) to permit easy communication among schools and departments. Subsequent growth of the campus saw construction of landmark buildings by leading architects such as Alvar Aalto, I. M. Pei '40, and Eero Saarinen.

Early in this century, several new buildings were designed by distinguished architects such as Frank Gehry, Steven Holl, and Fumihiko Maki to meet the changing needs of teaching, research, and community. These remarkable buildings include the Ray and Maria Stata Center for Computer, Information, and Intelligence Sciences; Simmons Hall (an undergraduate residence); a Media Lab complex; and the Zesiger Sports and Fitness Center. Most recent construction projects include full renovations as well as new buildings.

The newest building on campus is the David H. Koch Childcare Center (W64), completed in 2013. Located on west campus next to Simmons Hall on Vassar Street, the center nearly doubles MIT's on-campus childcare capacity.

Opened in fall 2011, Maseeh Hall is a thorough renovation of Building W1, the Institute's oldest graduate residence and now an undergraduate residence named in recognition of Fariborz Maseeh

ScD '90. A full renovation and restoration of Building E60, the Arthur D. Little Building, a National Historic Landmark, was also completed that year.

Two new academic buildings were completed in 2010: the Koch Institute for Integrative Cancer Research (76) and the new home of the MIT Sloan School of Management, Building E62. The latter brought together all the Sloan faculty in one building.

The Media Lab Complex (E14), an expansion of the Media Lab, was completed in 2009.

MIT's new buildings reflect its commitment to sustainability. Maseeh Hall, Sloan, Building E60, and the Koch Institute received LEED Gold Certification from the US Green Building Council.

Additional information about these and other recent buildings may be found at http://capitalprojects.mit.edu.

Housing

Undergraduates

Most undergraduates live on campus in one of MIT's 11 Institute houses or 39 MIT-affiliated fraternities, sororities, and living groups. All unmarried first-year students must live in one of the Institute's residence halls—except those who commute from home. Each dormitory has a live-in housemaster, who is usually a senior faculty member. Students may elect to remain on campus following their freshman year, or move to a fraternity, sorority, or independent living group. The current number of undergraduates living on campus is 3,370.

Graduate Students

More than 1,900 single graduate students live in MIT's five campus houses—Ashdown House (NW35), Edgerton House (NW10), Sidney-Pacific (NW86), Tang Hall (W84), and the Warehouse (NW30). Two campus apartment complexes, Westgate (W85) and Eastgate (E55), accommodate over 400 graduate and undergraduate students with families. More than 90 graduate students live in undergraduate dorms as graduate resident tutors.

The Arts

Arts on the MIT campus are rooted in experimentation, risk taking, and imaginative problem solving. Eminent artists teaching at MIT have received numerous awards, among them the Pulitzer Prize, Grammy Award, Guggenheim Fellowship, and MacArthur Fellowship received by faculty Erik Demaine, Junot Díaz, John Harbison, Joan Jonas, Keeril Makan, John A. Ochsendorf, Jay Scheib, and Evan Ziporyn.

- The Institute offers degrees in visual and architectural design through the School of Architecture and Planning, and in music, theater, comparative media studies, and writing through the School of Humanities, Arts, and Social Sciences.
- Nearly 80 percent of incoming freshmen have prior training in the arts.
- Over 50 percent of all MIT undergraduates enroll in arts courses each year—with nearly half of students participating in music and theater classes and performance groups.
- Students can participate in more than 60 music, theater, visual arts, writing, and dance groups.

MIT's program in architecture was the first established in the United States. Notable alumnus I. M. Pei '40 designed four buildings for the MIT campus.

The MIT Museum draws over 108,000 visitors each year to programs and exhibitions exploring the foundations and frontiers of science and technology. Highlights include the world's finest collection of holograms, robots and robotic devices, and Arthur Ganson's kinetic sculptures. The Mark Epstein Innovation Gallery gives visitors direct access to some of the latest MIT research, and the Kurtz Gallery for Photography features changing exhibitions of renowned photographers. The museum also produces the annual Cambridge Science Festival, featuring 10 days of programs and activities citywide serving 50,000 people. The Institute's Architecture and Design Collection, housed at the MIT Museum, ranks among the top architectural drawing collections in the world.

The MIT List Visual Arts Center explores contemporary art making in all media. In addition to presenting six to eight exhibitions annually, the List presents a broad range of education programs in conjunction with its exhibitions. The center maintains and adds to MIT's permanent collection of over 3,500 artworks that includes dozens of publicly sited sculptures and hundreds of paintings, prints, photographs, and drawings located throughout MIT's campus. The center is also responsible for commissioning new works for the MIT Public Art Collection through the MIT Percent-for-Art Program, and organizing and administering the Student Loan Art Program that allows MIT students to borrow valuable artworks to hang in their living spaces.

The Eugene McDermott Award in the Arts at MIT celebrates innovative talents in all arts disciplines and is one of the most generous cultural honors in the United States. Recipients of the award include conductor Gustavo Dudamel (2010), renowned director, filmmaker, playwright, and actor Robert Lepage (2012), and artist Olafur Eliasson (2014).

The MIT Center for Art, Science & Technology, established in 2012, facilitates and creates opportunities for artists to exchange and collaborate with engineers and scientists. The center fosters a culture where the arts, science, and technology thrive as interrelated, mutually informing modes of exploration, knowledge, and discovery.

Athletics and Recreation

MIT's Athletics, Physical Education, and Recreation Department offers opportunities for sports instruction and participation at all levels.

As part of the General Institute Requirement, each student must earn eight points through physical education courses and complete the swim requirement. Each quarter, MIT offers over 50 sections and more than 25 types of classes. Seasonal offerings include golf, sailing, broomball, and ice-skating, while additional specialty courses include scuba, backpacking, top-rope climbing, kayaking, cross-country skiing, downhill skiing, and snowboarding.

- With 33 varsity sports, MIT supports one of the broadest intercollegiate athletic programs in the world.
- There are 16 varsity sports for men, 15 for women, and two coeducational programs.
- Approximately 20 percent of undergraduates join a team during their time at MIT.
- MIT competes mainly against Division III New England colleges, but also routinely participates in regional and national championships.
- The Institute has earned 203 Academic All-America citations, the most for any Division III program in the nation.
- The intramural program offers competition in 18 sports with 4,000 students, faculty, alumni, spouses, and partners participating.
- MIT features one of the nation's most expansive club programs, with more than 800 participants and 34 teams.

- For those who wish to engage in other recreational programs, MIT provides group exercise and mind and body classes, personal and group training, a variety of aquatic classes, and sport skill instruction.

With 10 buildings and 26 acres of playing fields, MIT boasts one of the most expansive athletic complexes in New England. In the last decade, MIT's athletic facilities have been significantly expanded and renovated. The Zesiger Sports and Fitness Center on the west side of campus features two swimming pools, a fitness center, international-scale squash courts, and a multi-activity court. Roberts Field and Barry Field, lighted sports-turf venues, are adjacent to the Zesiger Center. The east side of campus is served by the Alumni Pool and Wang Fitness Center, located in the Stata Center at the edge of Kendall Square.

Hacking at MIT

MIT culture distinguishes itself not only for its seriousness of purpose, but also for its unique sense of humor, as expressed in the arena of "hacking." Hacks at the Institute are elaborate but benign practical jokes, perpetrated anonymously on campus, around Cambridge, or even farther afield, and that amaze for their creativity, cleverness, and difficulty of execution. A 1958 prank in which the Harvard Bridge was measured in increments of fraternity pledge Oliver Smoot has achieved such fame that "smoot" has been incorporated into the American Heritage Dictionary and is included as a unit of measure in Google Earth. The bridge still displays its quirky unit of measure today.

Although not officially sanctioned, hacks can be appreciated for their technical prowess and humorous digs at rival institutions, for example in the astonishing emergence of a large black weather balloon with MIT written all over it in the middle of a Harvard-Yale football game in 1982, or in the 2006 cross-country theft of Caltech's Fleming Cannon. Other famous hacks involve rather large objects falling from building rooftops (the Baker House Piano Drop) or appearing where they don't belong, most notably on MIT's Great Dome, which over the years has been graced by a Hilltop Steakhouse plastic cow, a Campus Police cruiser, the Wright Flyer, an MIT fire truck, and the Apollo Lunar Module.

Research

The soul of MIT is research. For more than 150 years, the Institute has married teaching with engineering and scientific studies—and produced an unending stream of advancements, many of them world-changing. Among MIT's historical achievements:

- Achieving the first chemical synthesis of penicillin
- Developing the inertial guidance systems for the Apollo space program
- Pioneering high-speed photography
- Engineering practical microwave radar
- Building the magnetic core memory that made digital computers possible
- Developing the world's first biomedical prosthetic device

This stream of discovery continues unabated. Here are a few sample accomplishments from this decade:

- Genetically reprogramming skin cells to cure a mouse model of sickle-cell anemia
- Developing a new form of wireless power transmission
- Inventing a way to duplicate photosynthesis in order to store solar energy
- Re-engineering viruses to produce both ends of a lithium ion battery
- Finding a way to use RNA interference to silence multiple genes at once
- Designing computer techniques that automatically decipher ancient languages
- Engineering a soft autonomous earthworm-like robot that can inch away unscathed even when stepped upon
- Discovering evidence of water ice and organic material on Mercury
- Developing ceramics that bend without breaking

Undergraduates can plunge directly into this hotbed of exploration through the Undergraduate Research Opportunities Program, which offers students a chance to collaborate on cutting-edge research as junior colleagues of Institute faculty.

During the academic year, approximately 3,590 researchers (including 580 visiting faculty and scientists) work with MIT faculty and students on projects funded by government, foundations, and industry. Approximately 2,440 graduate students are appointed as research assistants and 580 are appointed as teaching assistants; 1,785 are supported on fellowships.

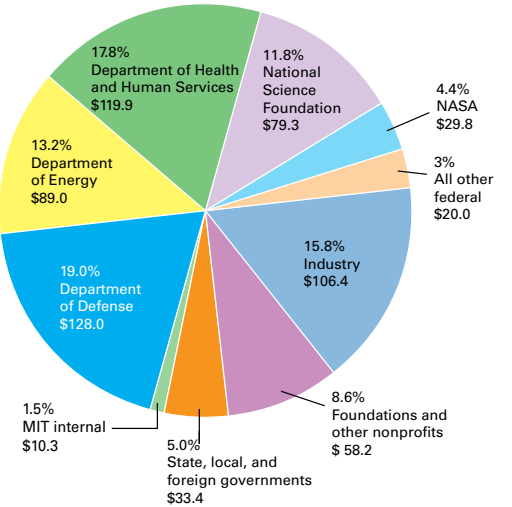
As an institution, MIT encourages interdisciplinary research across department and school boundaries while focusing on tackling great challenges for society at large. Two examples of such initiatives include the MIT Energy Initiative (MITEI) and the David H. Koch Institute for Integrative Cancer Research (KI).

MITEI serves as the platform for highly focused energy-related activity at MIT. This Institute-wide effort links researchers to outside organizations dedicated to energy innovation. More than a quarter of MIT faculty is involved with MITEI, which is supported by 68 industry members, as well as government, foundation, and philanthropic programs, and alumni and individual donors. MITEI has granted 118 seed-fund research projects, placed 152 students in the Undergraduate Research Opportunity Program, enrolled 79 students in the Energy Minor, and awarded 294 graduate Society of Energy fellowships.

The Koch Institute conducts interdisciplinary research to solve the complex problems of cancer and rapidly translate innovation to benefit patients. A National Cancer Institute–designated cancer center, the KI comprises more than 50 laboratories and 1,000 researchers, engaging cancer biologists; materials, chemical, and biological engineers; chemists; and computer scientists in genuine collaboration, and continually expanding its network of relationships with clinical, industrial, and organizational partners.

More interdisciplinary teams are found off-campus in nearby Lexington, Massachusetts, at MIT Lincoln Laboratory, a federally funded research and development center focused on national security.

Research Expenditures by Primary Sponsor for Fiscal Year 2013 (figures in millions)* Total: $674.3 million



*Figures are rounded

Interdisciplinary Centers, Labs, and Programs

Today's researchers tackle complex problems that cannot be resolved within a single academic discipline—and MIT constantly creates and evolves academic organizations that foster interdisciplinary work.

Center for Archaeological Materials
Center for Biomedical Engineering
Center for Collective Intelligence
Center for Computational Engineering

Center for Computational Research in Economics and Management Science
Center for Energy and Environmental Policy Research
Center for Environmental Health Sciences
Center for Global Change Science
Center for International Studies
Center for Materials Science and Engineering
Center for Real Estate
Center for Transportation and Logistics
Computer Science and Artificial Intelligence Laboratory
Deshpande Center for Technological Innovation
Division of Comparative Medicine
Earth System Initiative
Francis Bitter Magnet Laboratory
Haystack Observatory
Institute for Medical Engineering and Science
Institute for Soldier Nanotechnologies
Institute for Work and Employment Research
Joint Program on the Science and Policy of Global Change
Knight Science Journalism Program
Koch Institute for Integrative Cancer Research
Laboratory for Financial Engineering
Laboratory for Information and Decision Systems
Laboratory for Manufacturing and Productivity
Laboratory for Nuclear Science
Legatum Center for Development and Entrepreneurship
Lincoln Laboratory
Martin Trust Center for MIT Entrepreneurship
Materials Processing Center
McGovern Institute for Brain Research
Media Lab
Microsystems Technology Laboratories

Middle East Program at MIT
MIT Catalyst Clinical Research Center
MIT Center for Art, Science, and Technology
MIT Center for Digital Business
MIT Energy Initiative
MIT Kavli Institute for Astrophysics and Space Research
MIT Portugal Program
MIT Professional Education
MIT Program in Art, Culture, and Technology
MIT Sea Grant College Program
Nuclear Reactor Laboratory
Operations Research Center
Picower Institute for Learning and Memory
Plasma Science and Fusion Center
Research Laboratory of Electronics
Simons Center for the Social Brain
Singapore–MIT Alliance
Singapore–MIT Alliance for Research and Technology
Sociotechnical Systems Research Center
Technology and Development Program
Transportation@MIT
Women's and Gender Studies Program

Research Alliances

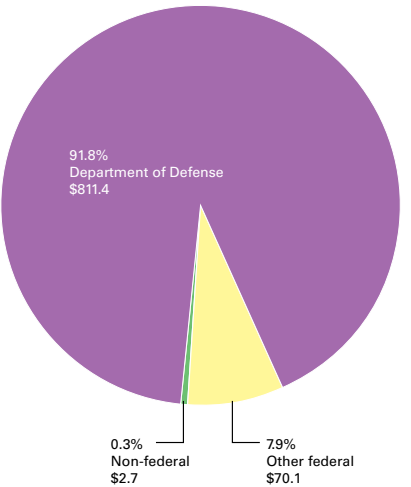
MIT's research extends out through collaborations with leading institutes and consortia around the world.

Alliance for Global Sustainability
Broad Institute
Charles Stark Draper Laboratory
Massachusetts Green High Performance Center
Northeast Radio Observatory Corporation
Ragon Institute of MGH, MIT and Harvard

Lincoln Laboratory

MIT's Lincoln Laboratory, located in Lexington, Massachusetts, is a federally funded research and development center focused on applying advanced technology to problems of national security. Lincoln Laboratory's core competencies are in sensors, information extraction (signal processing and embedded computing), communications, integrated sensing, and decision support. The laboratory is engaged in innovative research and the development and field-testing of prototype systems. The transition of technologies to industry is strongly emphasized. Approximately 3,250 MIT employees work at Lincoln Laboratory.

Lincoln Laboratory Research Expenditures Fiscal Year 2013 (in millions)* Total: $884.1 million



*Figures are rounded

MIT and Industry

Since its founding, MIT has fostered a problem-solving approach that encourages researchers to work together across departments, fields, and institutional boundaries. The resulting collaborations have included thousands of fruitful partnerships with industry and other leading research institutions.

Currently, over 700 companies are working with faculty and students both in Institute-wide programs such as the **Industrial Liaison Program** and the **MIT Energy Initiative**, and in smaller collaborations. Among these corporate sponsors are such global leaders as BAE, Boeing, BP, Du Pont, eni, Ford Motor, Google, Intel, Johnson & Johnson, Novartis, Quanta Computer, Raytheon, Samsung, Sanofi, Shell, Siemens, and TOTAL.

Research sponsored directly by industry totaled $128 million in fiscal year 2013, or 19 percent of all MIT research funding. According to the National Science Foundation, MIT ranks first in industry-financed research and development expenditures among all universities and colleges without a medical school.

Part of the **Office of Corporate Relations**, the Industrial Liaison Program is the largest conduit between corporations and MIT. More than 200 companies partner with the program to improve their access to MIT and advance their research agendas.

The **Technology Licensing Office** (TLO) oversees MIT's vibrant patenting and licensing activity. Fiscal year 2013 saw 678 new invention disclosures and $80 million in total licensing income. The TLO's

mission is to benefit the public by moving results of MIT research into societal use via technology licensing, through a process that is consistent with academic principles, demonstrates a concern for the welfare of students and faculty, and conforms to the highest ethical standards. This process benefits the public by creating new products and promoting economic development.

MIT Sloan Executive Education provides mid- to senior-level executives with the tools and frameworks needed to create and lead successful organizations. Its programs are led by senior faculty, and combine innovation and entrepreneurship with strategic thinking and global leadership. **MIT Professional Education** provides engineering, science, and technology professionals a gateway to renowned MIT expertise, research, and knowledge through advanced education programs designed for working professionals.

MIT's strong corporate connection also is reflected in its extensive business-oriented curriculum, many spearheaded by the MIT Sloan School of Management in collaboration with other schools. Examples include:

Leaders for Global Operations. This dual-degree graduate program combines an engineering and management curriculum with an internship at a partner company. Students earn an SM from one of seven engineering programs and an MBA from MIT Sloan. The six-month internship focusing on real-world operations and manufacturing challenges is the basis for the dual-degree master's thesis.

System Design and Management. This program educates future technical leaders in architecting, engineering, and designing complex products and systems, and fosters the leadership and management skills needed to connect technical and nontechnical organizations.

Sloan Fellows Program in Innovation and Global Leadership. This program enrolls 100 mid-career fellows from around the world and offers a demanding academic curriculum and frequent interactions with international business and government leaders.

Supply Chain Management. This nine-month program combines master's level coursework, professional development, and industry interaction for business professionals to gain proficiency in problem solving and change leadership.

Entrepreneurship

MIT's preeminence in entrepreneurship is rooted in its founding. The Institute was one of the first land-grant colleges, and was designed to deliver a practical education instead of the focus on the classics at many private universities that were founded to train clergy. Its emphasis on *mens et manus*, "mind and hand," is infused into the entrepreneurship curriculum and programming, which emphasizes learning by doing. In the 2012–2013 academic year, 51 entrepreneurship classes saw 2,947 course enrollments, including seven Independent Activities Period short courses. A summer program, the MIT Global Founders' Skills Accelerator, received 97 applications for seven student-team slots in summer 2013, showing that entrepreneurship is a year-round endeavor at MIT.

A 2009 study based on data from 2001 and 2003 suggested that 25,800 companies founded by MIT alumni were active as of 2006, employing 3.3 million people and producing annual revenues of $2 trillion, equivalent to the 11th-largest economy in the world. Hundreds of new companies are started each year, and 41 percent of MIT founders are serial entrepreneurs, having started multiple companies. Founders are getting younger as well. The average new entrepreneur who graduated in the 1990s starts a company at age 28, whereas founders who graduated in the 1950s started their first companies on average at age 40.5. Around 30 percent of international students at MIT go on to found companies, half of them located in the United States. By contrast, around 20 percent of MIT's US students have founded companies.

Several MIT departments, labs, and centers specialize in different aspects of fostering entrepreneurship at MIT. The **Martin Trust Center for MIT Entrepreneurship** supports students with an entrepreneurship curriculum, programming, guidance, and connections to the MIT and broader entrepreneurial communities. The **Technology Licensing Office** assists MIT inventors in protecting their technology and in licensing that technology to startups and to existing companies. The **Deshpande Center for Technological Innovation** funds innovative faculty research and supports faculty in technology commercialization. The **Venture Mentoring Service** matches student, faculty, staff, and alumni entrepreneurs with talented mentors. The **Media Lab Entrepreneurship Program** is a set of classes that help students leverage Media Lab technologies to create new businesses. The **Bernard M. Gordon–MIT Engineering Leadership Program** promotes leadership

and communications skills among undergraduate engineers. The **Legatum Center for Development and Entrepreneurship** supports social entrepreneurship among MIT students. The **Lemelson-MIT Program** promotes invention at MIT, in particular among students through the Lemelson-MIT National Collegiate Student Prize Competition. And the **MIT Enterprise Forum**, originally founded under the Alumni Association and now part of MIT Technology Review, produces programs and events through its network of chapters worldwide for the broader entrepreneurial community.

MIT also has over 20 student clubs and initiatives involved in entrepreneurship or innovation, including the **MIT $100K Entrepreneurship Competition** and the **MIT Clean Energy Prize** business plan contests.

Publishing

MIT Press

One of the largest and most distinguished university presses in the world, the MIT Press is known for quality, innovation, and distinctive design. The Press publishes in selected disciplines within the humanities, social sciences, and sciences. Its authors are drawn from the global academic community. The Press publishes 30 scholarly journals and 220 new books annually, in a variety of print and electronic formats. More than 750,000 publications carrying the MIT name are disseminated by the Press to scholars and general readers around the world each year. The MIT Press is especially noted for its support of emerging fields, for its strong international distribution, and for pioneering digital projects.

MIT Technology Review

Founded in 1899, MIT Technology Review is a global media company whose mission is to identify important new technologies and decipher their practical impact. Through its print and online publications, email newsletters, and live events, MIT Technology Review engages millions worldwide, providing an intelligent and authoritative filter for the overwhelming flood of information on technology.

MIT Sloan Management Review

A media company based at the MIT Sloan School of Management, MIT Sloan Management Review (SMR) makes new management research and ideas accessible to business executives and provides a forum for innovators around the globe. Through its quarterly journal founded in 1959, SMR presents ideas and research about advances in management practice that are transforming how people lead and innovate. Content is distributed on the web, in print and on mobile and portable platforms, as well as via licensees and libraries around the world.

MIT and the Community

MIT is an integral part of its host city of Cambridge, a diverse and vibrant community noted for its intellectual life, history, and thriving business climate. With a campus nestled between the active Central and Kendall Squares, and across the Charles River from Boston's Innovation District, the Institute is in an optimal position to engage in collaborative endeavors with its neighbors and support the community.

MIT and Cambridge. The city's approximately 105,000 residents, including more than 36,000 college and university students, rub shoulders within its 6.26 square miles. Cambridge is pedestrian and bicycle friendly, with 80 parks and playgrounds, six subway stations, a commuter rail line, 29 bus routes, multiple shuttles, 24 bike sharing stations, and numerous dedicated bicycle lanes, enabling visitors and students to get around the city and the MIT campus without a car.

Service to the community. Since its founding, MIT has maintained a commitment to serving the local community as a resource for education and technology and as a good neighbor. The Institute actively supports nonprofit organizations that address local challenges by providing financial resources, volunteer engagement, the use of MIT facilities, and representation on boards and committees. In addition, members of the MIT community support the Institute's Community Service Fund, which provides support for nonprofits where MIT volunteers are at work. The Fund invites applications for funding of community service initiatives by MIT students, faculty, and local organizations.

Students, faculty, and staff at MIT are involved in a broad range of volunteer activities in the community. The Institute's Public Service Center provides programming, guidance, information, and support to those interested in public service, and serves as a resource for both MIT and the community-at-large.

More information is available at http://web.mit.edu/mitpsc.

Economic impact and innovation catalyst. MIT has a far-reaching impact on the economy of the region. The Institute is Cambridge's second largest employer and largest taxpayer, representing over 12% of the city's revenue stream. MIT pays taxes on its commercial property and provides an annual payment in lieu of taxes (PILOT) for property that is used for academic purposes and is legally tax exempt. In fiscal year 2013, the Institute made a voluntary PILOT contribution of $2.2 million to the City of Cambridge and paid over $38.6 million in real estate taxes.

MIT is also a magnet for investment and fuels the innovation economy with the research, start-ups, and talent pool that it generates. Kendall Square, at the eastern end of MIT's campus, is the seat of a growing innovation cluster in which MIT plays a catalyzing role, and the area has atrracted offices of numerous life science and technology-related companies.

For more information about MIT and the community, visit http://ogcr.mit.edu.

Alumni

MIT Students after Graduation

During 2012–2013, 296 employers recruited in MIT Global Education and Career Development (GECD). Computer technology companies (27%), consulting (18%), financial services (15%), engineering (10%), and energy (7%) were the top five industries participating in on-campus recruiting and accounted for 77 percent of total recruiters.

Undergraduates after Graduation

- Twenty-three percent of 2013 bachelor's degree graduates found jobs through on-campus recruiting and MIT-sponsored job listings.
- Twenty-one percent found jobs through various networking venues, including MIT faculty and administrators, GECD contacts, and professional conferences.
- Fifteen percent had internships that led to a full-time job offer.
- Sixteen percent found jobs through a career fair.
- Seventy-nine percent of all graduating seniors completed internships while at MIT.

Fifty-seven percent of MIT undergraduates took jobs after graduation; 35 percent went on to graduate school. The top graduate school destinations were MIT, Harvard, Stanford, University of California at Berkeley, New York University, Northwestern, Boston University, Cornell, Princeton, Carnegie Mellon, and University of Chicago.

Graduate Students after Graduation

- Sixty-five percent of students graduating from MIT with an SM degree entered the work sector and 26 percent went on to graduate school.
- Eighty-two percent of those graduating with an MEng degree entered the work sector and 15 percent went on to graduate school.
- Ninety-five percent of students with an MBA entered the work sector and one percent went on to graduate school.
- While 85 percent of PhD students planned to work after graduation, one percent continued their education. Of those with confirmed employment, 44 percent were postdoctoral positions.

Top Employment Sectors for MIT Graduates

Employment sector	Bachelor's	Master's	PhDs
Aerospace/defense	7%	5%	3%
Computer technologies	22%	11%	7%
Consulting	12%	21%	6%
Education	3%	3%	23%
Energy/utilities	5%	4%	5%
Engineering (all fields)	22%	20%	21%
Finance/banking	12%	12%	2%
Health/medicine	8%	1%	10%

The top employers for bachelor's degree recipients were Google, Apple, Oracle, Accenture, Boeing, Microsoft, Morgan Stanley, Palantir, McKinsey, and Vecna. The top employers for master's degree recipients were McKinsey, Amazon, Google, Oracle, US Navy, Schlumberger, Boston Consulting Group, US Air Force, Bain & Company, Microsoft, Apple, and Nike. The top employers for doctoral degree recipients were MIT, Harvard, McKinsey, Stanford, California Institute of Technology, Duke, Harvard Medical School, Intel, and Princeton.

*Geographic Distribution of Alumni**

United States and Possessions		99,321
New England	25,753	
Mid-Atlantic	26,246	
West	18,841	
Southwest and South Central	8,066	
Great Lakes	7,582	
Southeast	6,559	
Northwest and Great Plains	5,534	
Alaska and Hawaii	509	
Puerto Rico, the Virgin Islands, and other US territories	231	
Asia		7,495
Europe		5,865
North America (other than US)		2,165
South America		1,462
Pacific Islands and Australia		613
Africa		472
Central America		78
Total		**117,471**

*Includes only alumni with known addresses.

Average Salaries Earned by MIT Graduates Entering Industry Positions

Degree	Average salary
Bachelor's degree	$73,567
Master of Science	$85,587
Master of Engineering	$94,804
Master of Business Administration	$123,937
PhD entering postdoctoral positions	$58,567
PhD entering other positions	$108,416

MIT Alumni Association

The MIT Alumni Association is a gateway to one of the most diverse, talented, and invigorating communities in the world: the 128,583 living MIT alumni. It provides services and resources that strengthen alumni's ties to MIT and to each other, from face-to-face gatherings to a suite of online services.

More than 11,759 alumni volunteer their services for the Institute, serving as class and club officers, educational counselors, and members of the MIT Corporation and its visiting committees. In fiscal year 2013, the Annual Fund reported $57.9 million in gifts from 43,561 alumni, students, parents, and friends.

Leadership

Origins

The Institute admitted its first students in 1865, four years after the approval of its founding charter. The opening marked the culmination of an extended effort by William Barton Rogers, a distinguished natural scientist, to establish a new kind of independent educational institution relevant to an increasingly industrialized America. Rogers stressed the pragmatic and practicable. He believed that professional competence is best fostered by coupling teaching and research and by focusing attention on real-world problems. Toward this end, he pioneered the development of the teaching laboratory.

Today MIT is a world-class educational institution. Teaching and research—with relevance to the practical world as a guiding principle—continue to be its primary purpose. MIT is independent, coedu-

cational, and privately endowed. Its five schools encompass numerous academic departments, divisions, and degree-granting programs, as well as interdisciplinary centers, laboratories, and programs whose work cuts across traditional departmental boundaries.

Presidents of the Institute

L. Rafael Reif, 2012—
Susan Hockfield, 2004–2012
Charles Marstiller Vest, 1990–2004
Paul Edward Gray, 1980–90
Jerome Bert Wiesner, 1971–80
Howard Wesley Johnson, 1966–71
Julius Adams Stratton, 1959–66
James Rhyne Killian, Jr., 1948–58
Karl Taylor Compton, 1930–48
Samuel Wesley Stratton, 1923–30
Ernest Fox Nichols, 1921–22
Richard Cockburn Maclaurin, 1909–20
Henry Smith Pritchett, 1900–07
James Mason Crafts, 1897–1900
Francis Amasa Walker, 1881–97
John Daniel Runkle, 1870–78
William Barton Rogers, 1862–70, 1879–81

Administrative Organization

The Institute's chief executive officer is the president. Senior academic and administrative officers include the chancellor, provost, executive vice president, associate provosts, deans of the schools, vice presidents, dean for graduate education, dean for undergraduate education, dean for student life, director of digital learning, director of the MIT Libraries, and Institute community and equity officer. The Institute's academic departments and

divisions—each under the leadership of a head, director, or associate dean—are organized within the five schools. In addition, numerous interdisciplinary laboratories and centers have been organized to facilitate research in fields that extend across traditional boundaries.

The MIT Faculty determines the Institute's educational policy. The Faculty meets monthly and conducts much of its business through elected standing committees.

The Institute's board of trustees, known as the Corporation, includes 70 distinguished leaders in engineering, science, industry, education, and other professions, and (ex officio) the MIT chairman, president, executive vice president and treasurer, secretary of the Corporation, president of the Alumni Association, and three representatives of the Commonwealth of Massachusetts. The Corporation also includes approximately 35 emeritus members. Approximately 80 percent of the members of the Corporation are alumni of MIT.

Building MIT's Resources

Throughout MIT's history, individuals, corporations, and foundations have provided much of the support that has made the Institute a leader in higher education. That tradition continues, with MIT today benefiting from generous giving by a widening circle of organizations and individuals.

During the 2012–2013 fiscal year, organizations and individuals gave or pledged a total of $331 million. Such contributions are vital to MIT, providing

critically needed undesignated funds along with resources designated to a range of key priorities.

MIT continues efforts to develop new resources for faculty, focused educational needs, new and renovated facilities, and other priorities. Playing a central role in these efforts is an energetic group of MIT volunteers, most of them Institute graduates. Several examples follow.

Support for faculty and students. From undergraduate scholarships to graduate student support, postdocs, and endowed professorships, bringing the very best together at MIT remains the highest priority.

Research and educational programs. MIT has identified selected areas as institutional priorities, including innovations in learning through new digital platforms, fueling innovation and entrepreneurship worldwide, basic research, and international research and education.

Buildings. MIT 2030 provides a framework to grow and develop the campus, and MIT's construction and renovation priorities follow that plan.

Other needs. Unrestricted giving, which can be designated by MIT to especially critical areas, strengthening existing programs and providing seed funding for new initiatives, is a high priority.

Financial Data

Year-end Statistics, Fiscal Year 2013 (in millions)

Value of Plant and Invested Assets

Asset	Value (in millions)
Land, buildings, and equipment, net book value	$2,516.3
Market value of endowed funds	$10,858.0
Market value of total investments	$13,830.1

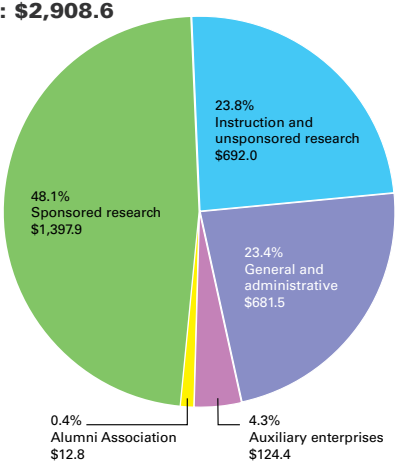
Gifts and Pledge Payments to MIT

Source	Amount (in millions)
Individuals	$205.8
Foundations	$170.6
Corporations	$59.4
Other	$1.2
Total	**$437.0**

Gift and Pledge Payment Designations

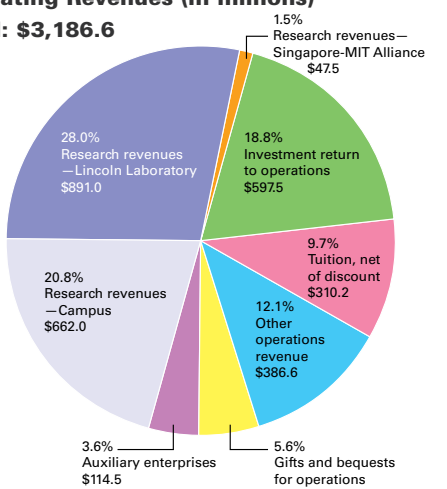
Designation	Amount (in millions)
Faculty chairs	$15.0
Scholarships and other undergraduate aid	$23.7
Undergraduate education and student life	$14.3
Graduate fellowships	$28.3
Research and education programs	$160.4
Construction and renovations	$26.0
Unrestricted	$94.3
Undesignated and miscellaneous	$75.0
Total	**$437.0**

Fiscal Year 2013
Operating Expenditures (in millions)*
Total: $2,908.6



*Figures are rounded

Fiscal Year 2013
Operating Revenues (in millions)*
Total: $3,186.6



*Figures are rounded

A few of the most visited locations on campus are highlighted below:

W16	Kresge Auditorium
W20	Student Center
N52	MIT Museum
7	Information Center
10	Lobby 10 and Great Dome
K	Killian Court
N	North Court
32	Stata Center
76	Koch Institute
E14	Media Lab
E15	List Visual Arts Center
E51	Wong Auditorium, Tang Center
E62	Sloan School
Ⓣ	Kendall T Station

whereis.mit.edu
m.mit.edu