SCHOOL OF ENGINEERING

Degrees Offered in the School of Engineering

Aeronautics and Astronautics (Course 16)

SB	Aerospace Engineering
SB	Engineering
SM	Aeronautics and Astronautics
SM/MBA	Engineering/Management—dual degree with Leaders for Global Operations Program [1]
Engineer	Aeronautics and Astronautics
PhD	Aeronautics, Astronautics, and Statistics [1]
PhD, ScD	Aerospace Computational Engineering
PhD, ScD	Aerospace, Energy, and the Environment
PhD, ScD	Air-Breathing Propulsion
PhD, ScD	Aircraft Systems Engineering
PhD, ScD	Air Transportation Systems
PhD, ScD	Autonomous Systems
PhD, ScD	Communications and Networks
PhD, ScD	Controls
PhD, ScD	Engineering Systems
PhD, ScD	Humans in Aerospace
PhD, ScD	Materials and Structures
PhD, ScD	Oceanographic Engineering (Jointly with WHOI)
PhD, ScD	Space Propulsion
PhD, ScD	Space Systems

Biological Engineering (Course 20)

SB	Biological Engineering
SM	Toxicology
SM/MBA	Engineering/Management—dual degree with Leaders for Global Operations Program [1]
MEng	Biomedical Engineering
PhD, ScD	Biological Engineering

Chemical Engineering (Course 10)

SB	Chemical Engineering
SB	Chemical-Biological Engineering
SB	Engineering
SM	Chemical Engineering
SM	Chemical Engineering Practice
SM/MBA	Engineering/Management—dual degree with Leaders for Global Operations Program [1]
PhD, ScD	Chemical Engineering
PhD, ScD	Chemical Engineering and Computation [1]
PhD, ScD	Chemical Engineering Practice

Civil and Environmental Engineering (Course 1)

SB	General Engineering
SM	Civil and Environmental Engineering
SM/MBA	Engineering/Management—dual degree with Leaders for Global Operations Program [1]
MEng	Civil and Environmental Engineering
Civil Engineer	
Environmental Engineer	
PhD, ScD	Biological Oceanography (jointly with WHOI)
PhD, ScD	Chemical Oceanography (jointly with WHOI)
PhD, ScD	Civil and Environmental Engineering
PhD, ScD	Civil and Environmental Systems
PhD, ScD	Civil Engineering
PhD, ScD	Civil Engineering and Computation [1]
PhD, ScD	Coastal Engineering
PhD, ScD	Construction Engineering and Management
PhD, ScD	Environmental Biology
PhD, ScD	Environmental Chemistry
PhD, ScD	Environmental Engineering
PhD, ScD	Environmental Engineering and Computation [1]
PhD, ScD	Environmental Fluid Mechanics
PhD, ScD	Geotechnical and Geoenvironmental Engineering
PhD, ScD	Hydrology
PhD, ScD	Information Technology
PhD, ScD	Oceanographic Engineering (jointly with WHOI)
PhD, ScD	Structures and Materials
PhD, ScD	Transportation

Climate System Science and Engineering (Course 1-12)

SB	Climate System Science and Engineering [1]

Computation and Cognition (Course 6-9)

SB	Computation and Cognition [1]
MEng	Computation and Cognition [1]

Computational and Systems Biology

PhD	Computational and Systems Biology [1]

Computational Science and Engineering

SM	Computational Science and Engineering [1]
PhD, ScD	Aerospace Engineering and Computational Science [1 2]
PhD, ScD	Chemical Engineering and Computation [1]
PhD, ScD	Civil Engineering and Computation [1]
PhD, ScD	Computational Earth, Science and Planetary Sciences [1]
PhD, ScD	Computational Materials Science and Engineering [1]
PhD, ScD	Computational Nuclear Science and Engineering [1]

PhD, ScD	Environmental Engineering and Computation [1]
PhD, ScD	Mathematics and Computational Science [1]
PhD, ScD	Mechanical Engineering and Computation [1]
PhD, ScD	Nuclear Engineering and Computation [1]

Computer Science and Molecular Biology (Course 6-7P)

MEng	Computer Science and Molecular Biology [1]

Computer Science, Economics, and Data Science (Course 6-14)

SB	Computer Science, Economics, and Data Science [1]

Data, Systems, and Society

SM	Technology and Policy
PhD, ScD	Social and Engineering Systems
PhD	Social and Engineering Systems and Statistics
PhD	Aeronautics and Astronautics and Statistics
PhD	Cognitive Science and Statistics
PhD	Economics and Statistics
PhD	Mathematics and Statistics
PhD	Mechanical Engineering and Statistics
PhD	Neuroscience and Statistics
PhD	Physics, Statistics, and Data Science
PhD	Political Science and Statistics

Design and Management (System Design and Management & Integrated Design and Management)

SM	Engineering and Management [1]

Electrical Engineering and Computer Science (Course 6)

SB	Artificial Intelligence and Decision Making
SB	Computer Science and Engineering
SB	Electrical Engineering with Computing
SM	Electrical Engineering and Computer Science
SM/MBA	Engineering/Management—dual degree with Leaders for Global Operations Program [1]
MEng	Computer Science, Economics, and Data Science
MEng	Electrical Engineering and Computer Science
Electrical Engineer	
Engineer in Computer Science	
PhD, ScD	Computer Science
PhD, ScD	Computer Science and Engineering
PhD, ScD	Electrical Engineering
PhD, ScD	Electrical Engineering and Computer Science

Health Sciences and Technology (HST)

SM	Health Sciences and Technology
MD	Medical Sciences (degree from Harvard Medical School)
ScD, PhD	Health Sciences and Technology
ScD, PhD	Health Sciences and Technology—Bioastronautics
ScD, PhD	Health Sciences and Technology—Medical Engineering and Medical Physics

Materials Science and Engineering (Course 3)

SB	Archaeology and Materials
SB	Materials Science and Engineering
SM	Materials Science and Engineering
Materials Engineer	
PhD, ScD	Archaeological Materials
PhD, ScD	Computational Materials Science and Engineering [1]
PhD, ScD	Materials Science and Engineering
PhD, ScD	Polymers and Soft Matter [1]

Mechanical Engineering (Course 2)

SB	Engineering
SB	Mechanical and Ocean Engineering
SB	Mechanical Engineering
SM	Mechanical Engineering
SM	Naval Architecture and Marine Engineering
SM	Ocean Engineering
SM	Oceanographic Engineering (jointly with WHOI)
SM/MBA	Engineering/Management—dual degree with Leaders for Global Operations Program [1]
MEng	Manufacturing
Mechanical Engineer	
Naval Engineer	
PhD	Mechanical Engineering and Statistics [1]
PhD, ScD	Mechanical Engineering
PhD, ScD	Mechanical Engineering and Computation [1]
PhD, ScD	Naval Architecture and Marine Engineering
PhD, ScD	Ocean Engineering
PhD, ScD	Oceanographic Engineering (jointly with WHOI)

Microbiology

PhD	Microbiology [1]

Nuclear Science and Engineering (Course 22)

SB	Engineering
SB	Nuclear Science and Engineering
SM	Nuclear Science and Engineering

SM/MBA	Engineering/Management—dual degree with Leaders for Global Operations Program [1]
Nuclear Engineer	
PhD, ScD	Computational Nuclear Science and Engineering [1]
PhD, ScD	Nuclear Science and Engineering
PhD, ScD	Nuclear Engineering and Computation [1]

Polymers and Soft Matter

PhD, ScD	Polymers and Soft Matter [1]

Supply Chain Management

MASc	Supply Chain Management [1]
MEng	Supply Chain Management [1]

Transportation

SM	Transportation [1]
PhD, ScD	Transportation [1]

Urban Science and Planning with Computer Science (Course 11-6)

SB	Urban Science and Planning with Computer Science [1]

Notes

Many departments make it possible for a graduate student to pursue a simultaneous master's degree.

Several departments also offer undesignated degrees, which lead to the Bachelor of Science without departmental designation. The curricula for these programs offer students opportunities to pursue broader programs of study than can be accommodated within a four-year departmental program.

1 *See Interdisciplinary Programs (https://catalog.mit.edu/interdisciplinary).*

2 *Students who matriculated in the Department of Aeronautics and Astronautics doctoral program and the Computational Science and Engineering (CSE) doctoral program in academic year 2023–2024 or earlier can choose eitherPhD/ScD in Computational Science and Engineering or the PhD/ScD in Aerospace Engineering and Computational Science. AeroAstro/CSE students who matriculate in academic year 2024–2025 or later will receive the PhD/ScD in Aerospace Engineering and Computational Science.*