INTERDISCIPLINARY GRADUATE PROGRAMS

At MIT, students and faculty from different fields work together in a variety of collaborative programs that extend beyond departmental or school boundaries. The following programs offer a number of interdisciplinary graduate degrees:

- Advanced Urbanism (*http://catalog.mit.edu/interdisciplinary/graduate-programs/advanced-urbanism*)
- Computation and Cognition (*http://catalog.mit.edu/interdisciplinary/graduate-programs/computation-cognition*)
- Computational and Systems Biology (*http://catalog.mit.edu/interdisciplinary/graduate-programs/computational-systems-biology*)
- Computational Science and Engineering (*http://catalog.mit.edu/interdisciplinary/graduate-programs/computational-science-engineering*)
- Computer Science and Molecular Biology (*http://catalog.mit.edu/interdisciplinary/graduate-programs/computer-science-molecular-biology*)
- Computer Science, Economics, and Data Science (*http://catalog.mit.edu/interdisciplinary/graduate-programs/computer-science-economics-data-science*)
- Computer Science and Molecular Biology (*http://catalog.mit.edu/interdisciplinary/graduate-programs/computer-science-molecular-biology*)
- Harvard-MIT Health Sciences and Technology (*http://catalog.mit.edu/interdisciplinary/graduate-programs/harvard-mit-health-sciences-technology*)
- History, Anthropology, and Science, Technology and Society (*http://catalog.mit.edu/schools/humanities-arts-social-sciences/science-technology-society/#graduatetext*)
- Integrated Design and Management (*http://catalog.mit.edu/interdisciplinary/graduate-programs/system-design-management*)
- Joint Program with Woods Hole Oceanographic Institution (*http://catalog.mit.edu/interdisciplinary/graduate-programs/joint-program-woods-hole-oceanographic-institution*)
- Leaders for Global Operations (*http://catalog.mit.edu/interdisciplinary/graduate-programs/leaders-global-operations*)
- Microbiology (*http://catalog.mit.edu/interdisciplinary/graduate-programs/microbiology*)
- Operations Research (*http://catalog.mit.edu/interdisciplinary/graduate-programs/operations-research*)
- Polymers and Soft Matter (*http://catalog.mit.edu/interdisciplinary/graduate-programs/polymers-soft-matter*)
- Real Estate Development (*http://catalog.mit.edu/interdisciplinary/graduate-programs/real-estate-development*)
- Social and Engineering Systems (*http://catalog.mit.edu/interdisciplinary/graduate-programs/social-engineering-systems*)
- Statistics (*http://catalog.mit.edu/interdisciplinary/graduate-programs/phd-statistics*)
- Supply Chain Management (*http://catalog.mit.edu/interdisciplinary/graduate-programs/supply-chain-management*)
- System Design and Management (*http://catalog.mit.edu/interdisciplinary/graduate-programs/system-design-management*)
- Technology and Policy (*http://catalog.mit.edu/interdisciplinary/graduate-programs/technology-policy*)
- Transportation (*http://catalog.mit.edu/interdisciplinary/graduate-programs/transportation*)

Several programs of study offer students from participating departments opportunities to focus on a particular area of interdisciplinary research as part of their home department's degree program:

- Biophysics (*http://catalog.mit.edu/schools/science/#interdepartmental*)
- Molecular and Cellular Neuroscience (*http://catalog.mit.edu/schools/science/#interdepartmental*)

Interdisciplinary Graduate Degrees

Advanced Urbanism

PhD	Advanced Urbanism [1]

Computation and Cognition (Course 6-9P)

MEng	Computation and Cognition

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]

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

SM	Engineering and Management [1]

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

History, Anthropology, and Science, Technology and Society

PhD	History, Anthropology, and Science, Technology and Society

Leaders for Global Operations

SM/MBA	Engineering/Management—dual degree with Leaders for Global Operations Program[1]

Microbiology

PhD	Microbiology [1]

Oceanography and Applied Ocean Science and Engineering

SM	Oceanographic Engineering [3]
ScD, PhD	Applied Ocean Science and Engineering
ScD, PhD	Biological Oceanography
ScD, PhD	Chemical Oceanography
ScD, PhD	Marine Geology and Geophysics
ScD, PhD	Physical Oceanography

Operations Research

SM	Operations Research [1]
SM/MBA	Operations Research/Management—dual degree with Leaders for Global Operations Program [1]
PhD	Operations Research [1]

Polymers and Soft Matter

PhD, ScD	Polymers and Soft Matter [1]

Real Estate Development

SM	Real Estate Development

Statistics

PhD	Aeronautics, 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
PhD	Social and Engineering Systems and Statistics

Supply Chain Management

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

Technology and Policy

SM	Technology and Policy

Transportation

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

[1] *See Interdisciplinary Programs (http://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.*

[3] *With the exception of engineering, the SM is only available as an interim degree for doctoral candidates or for those who leave the program before the completion of the doctoral degree.*