

# MIT STEPHEN A. SCHWARZMAN COLLEGE OF COMPUTING

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## Overview

The mission of the MIT Stephen A. Schwarzman College of Computing (<https://computing.mit.edu>) is to address the opportunities and challenges of the computing age—from hardware to software to algorithms to artificial intelligence (AI)—by transforming the capabilities of academia in three key areas:

- **Computing fields:** Support the rapid growth and evolution of computer science and computational areas of allied fields such as electrical engineering, as reflected notably in the rise of AI.
- **Computing across disciplines:** Facilitate productive research and teaching collaborations between computing and other fields, rather than place one field in service of another.
- **Social and ethical aspects of computing:** Lead the development of and changes in academic research and education, and effectively inform practice and policy in industry and government.

In order to deliver on its mission, the college is designed to take MIT's computing programs to the next level by facilitating the rapid evolution of computing education and research programs, improving collaboration between computing and other disciplines, and advancing the study and practice of social and ethical responsibilities of computing.

The college's unique structure is at once both cross-cutting across all of MIT and a focused home for computer science and AI education and research, strengthening the computing fields and more effectively and creatively connecting AI and computing to every discipline.

## Organization

The organizational structure of the MIT Schwarzman College of Computing brings together existing MIT programs in computing and developing much-needed new cross-cutting educational and research programs.

## Academics

- Department of Electrical Engineering and Computer Science (joint with School of Engineering) (<https://catalog.mit.edu/schools/engineering>)
- Institute for Data, Systems and Society (<https://catalog.mit.edu/schools/mit-schwarzman-college-computing/data-systems-society>), including the Technology and Policy Program (<https://catalog.mit.edu/interdisciplinary/graduate-programs/technology-policy>) and Statistics and Data Science Center (<https://stat.mit.edu>)

- Center for Computational Science and Engineering (<https://catalog.mit.edu/mit/research/center-computational-engineering>)
- Operations Research Center (<https://catalog.mit.edu/mit/research/operations-research-center>) (joint with Sloan School of Management)

## Research

- Abdul Latif Jameel Clinic for Machine Learning in Health (<https://www.jclinic.mit.edu>)
- Computer Science and Artificial Intelligence Laboratory (<https://www.csail.mit.edu>)
- Laboratory for Information and Decision Systems (<https://lids.mit.edu>)
- MIT-IBM Watson AI Lab (<https://mitibmwatsonailab.mit.edu>)
- Quest for Intelligence (<https://quest.mit.edu>)
- Sociotechnical Systems Research Center (<https://ssrc.mit.edu>)

## Cross-Cutting Programs

- Social and Ethical Responsibilities of Computing (<https://computing.mit.edu/SERC>)
- Common Ground for Computing Education (<https://computing.mit.edu/cross-cutting/common-ground-for-computing-education>)