The Program in Media Arts and Sciences (MAS) focuses on the invention, study, and creative use of new technologies that change how we express ourselves, how we communicate with each other, how we learn, and how we perceive and interact with the world. The field draws on a number of other disciplines, including computer science, cognitive sciences, communications, design, and the expressive arts. The program offers undergraduate and graduate subjects and a graduate program leading to master’s and doctoral degrees. Its academic programs are intimately linked with the research programs of the Media Lab.

Inquiries
Additional information about the programs in Media Arts and Sciences, graduate admissions, research programs, and research assistantships may be obtained from MAS Headquarters (https://www.media.mit.edu/graduate-program/about-media-arts-sciences), Room E15-435, 617-253-5114.

Undergraduate Study
Most MAS undergraduate subjects are project oriented and relate to ongoing research within the Media Lab. Certain graduate subjects are open to advanced undergraduates (see Subjects for details). Undergraduate Research Opportunities Program (UROP) (http://catalog.mit.edu/mit/undergraduate-education/academic-research-options/undergraduate-research-opportunities-program) positions at the Media Lab are a major part of the MAS education offerings to undergraduates.

Graduate Study
Media Arts and Sciences offers a graduate program leading to master’s and PhD degrees. Graduate students work closely with a research advisor in an apprenticeship relationship. Students enter the program from a wide variety of backgrounds, including electrical engineering, physics, computer science, cognitive science, mechanical engineering, art and design, and the learning sciences.

For the master’s degree, students are required to spend at least four terms in residence (one of which may be a summer term) and to complete a satisfactory research thesis.

Students wishing to pursue a PhD degree must demonstrate exemplary progress in the master’s program and gain approval from a departmental committee review. Requirements for the PhD degree include successful completion of MAS general exams, and successful completion and defense of a dissertation based on original and significant research within one of the Media Lab’s research groups.

Financial Support
The Program in Media Arts and Sciences offers financial assistance to all successful applicants in the form of research assistantships within the Media Lab, which are an important part of the educational program. Research assistants receive academic credit for part of their research activities.

Faculty and Teaching Staff
Tod Machover, MM
Muriel R. Cooper Professor of Music and Media
Academic Head, Media Arts and Sciences Program

Joseph A. Paradiso, PhD
Alexander W. Dreyfoos (1954) Professor in Media Arts and Sciences
Associate Academic Head, Media Arts and Sciences Program

Edward S. Boyden III, PhD
Y. Eva Tan Professor in Neurotechnology
Professor of Brain and Cognitive Sciences
Professor of Media Arts and Sciences
Professor of Biological Engineering

Cynthia Lynn Breazeal, PhD
Professor of Media Arts and Sciences

Neil Gershenfeld, PhD
Professor of Media Arts and Sciences

Hugh M. Herr, PhD
Professor of Media Arts and Sciences

Hiroshi Ishii, PhD
Jerome B. Wiesner Professor of Media Arts and Sciences

Patricia Maes, MM, PhD
Professor of Media Technology

Alex Pentland, PhD
Toshiba Professor of Media Arts and Sciences
Member, Institute for Data, Systems, and Society

Rosalind W. Picard, ScD
Professor of Media Arts and Sciences

Mitchel Resnick, PhD
LEGO Professor of Learning Research

Deb K. Roy, PhD
Professor of Media Arts and Sciences
**Associate Professors**
Fadel Adib, PhD  
Doherty Chair in Ocean Utilization  
Associate Professor of Media Arts and Sciences  
Associate Professor of Electrical Engineering and Computer Science  
Joseph Jacobson, PhD  
Associate Professor of Media Arts and Sciences  
Neri Oxman, PhD  
Associate Professor of Media Arts and Sciences  
Ramesh Raskar, PhD  
Associate Professor of Media Arts and Sciences

**Assistant Professors**
Canan Dagdeviren, PhD  
LG Career Development Professor of Media Arts and Sciences  
Assistant Professor of Media Arts and Sciences  
Kevin Esvelt, PhD  
NEC Career Development Professor of Computer and Communications  
Assistant Professor of Media Arts and Sciences  
Ekene Ijeoma, MA  
ABC Career Development Professor of Media Arts and Sciences  
Assistant Professor of Media Arts and Sciences  
Deblina Sarkar, PhD  
AT&T Career Development Professor of Media Arts and Sciences  
Assistant Professor of Media Arts and Sciences  
Danielle Wood, PhD  
Benesse Corporation Career Development Professor of Media Arts and Sciences  
Assistant Professor of Media Arts and Sciences

**Visiting Professors**
William D. Hillis, PhD  
Visiting Professor of Media Arts and Sciences

**Adjunct Associate Professors**
Zachary Lieberman, MFA  
Adjunct Associate Professor of Media Arts and Sciences

**Research Staff**

**Senior Research Scientists**
Andrew B. Lippman, MS  
Senior Research Scientist of Media Arts and Sciences

**Principal Research Scientists**
Kent Larson, BArch  
Principal Research Scientist of Media Arts and Sciences  
Pratik Shah, PhD  
Principal Research Scientist of Media Arts and Sciences  
Shuguang Zhang, PhD  
Principal Research Scientist of Media Arts and Sciences

**Professors Emeriti**
Barry Lloyd Vercoe, DMA  
Professor Emeritus of Media Arts and Sciences  
Professor Emeritus of Music

**Lecturers**
Joost Paul Bonsen, MS  
Lecturer in Media Arts and Sciences  
Mark Feldmeier, PhD  
Lecturer in Media Arts and Sciences