ART AND DESIGN (COURSE 4-B)

Department of Architecture (*https://catalog.mit.edu/schools/architecture-planning/architecture/#undergraduatetext*)

Bachelor of Science in Art and Design

General Institute Requirements (GIRs)
The General Institute Requirements include a Communication Requirement that is integrated into both the HASS Requirement and the requirements of each major; see details below.

Summary of Subject Requirements	Subjects
Science Requirement	6
Humanities, Arts, and Social Sciences (HASS) Requirement [three subjects can be satisfied by subjects in the Departmental Program]; at least two of these subjects must be designated as communication-intensive (CI-H) to fulfill the Communication Requirement.	8
Restricted Electives in Science and Technology (REST) Requirement	2
Laboratory Requirement (12 units)	1
Total GIR Subjects Required for SB Degree	**17**

Physical Education Requirement
Swimming requirement, plus four physical education courses for eight points.

Departmental Program
Choose at least two subjects in the major that are designated as communication-intensive (CI-M) to fulfill the Communication Requirement.

Design Studios		Units
4.021	Design Studio: How to Design	9-12
or 4.02A	Design Studio: How to Design Intensive	
4.031	Design Studio: Objects and Interaction [1]	12
or 4.032	Design Studio: Information Design and Visualization	
Foundational Subjects		
4.053	Visual Communication Fundamentals	12
4.110	Design Across Scales and Disciplines	12
4.302	Foundations in Art, Design, and Spatial Practices (CI-M)	12
4.500	Design Computation: Art, Objects and Space	12
4.657	Design: The History of Making Things	12
Thesis Subjects		
4.THT[J]	Thesis Research Design Seminar (CI-M)	12
4.THU	Undergraduate Thesis	12
Restricted Electives		
Select up to 48 units from among any of the three categories below:		45-48
Objects		
2.00A	Designing for the Future: Earth, Sea, and Space	
2.00B	Toy Product Design	
2.00	Introduction to Design	
2.007	Design and Manufacturing I [2]	
2.009	The Product Engineering Process [2]	
4.031	Design Studio: Objects and Interaction [1]	
4.041	Design Studio: Advanced Product Design	
4.043	Design Studio: Interaction Intelligence	
4.118	Creative Computation	
4.451	Computational Structural Design and Optimization [2]	
4.501	Tiny Fab: Advancements in Rapid Design and Fabrication of Small Homes	
EC.720[J]	D-Lab: Design [2]	
Information		
4.032	Design Studio: Information Design and Visualization [1]	
4.051	The Human Factor in Innovation and Design Strategy	
4.502	Advanced Visualization: Architecture in Motion Graphics	
4.520	Visual Computing	
6.1040	Software Design	
6.4400	Computer Graphics	
6.8371	Digital and Computational Photography	
6.9101[J]	Introduction to Design Thinking and Innovation in Engineering	
6.C35[J]	Interactive Data Visualization and Society	
CMS.405	Visual Design [2]	
CMS.631	Data Storytelling Studio	
CMS.633	Digital Humanities: Topics, Techniques, and Technologies	

Art and Experience

4.301	Introduction to Artistic Experimentation	
4.307	Art, Architecture, and Urbanism in Dialogue	
4.314	Advanced Workshop in Artistic Practice and Transdisciplinary Research	
4.320	Introduction to Sound Creations	
4.322	Introduction to Three-Dimensional Art Work	
4.341	Introduction to Photography and Related Media	
4.344	Advanced Photography and Related Media	
4.354	Introduction to Video and Related Media	
4.356	Cinematic Migrations	
4.602	Modern Art and Mass Culture	
21T.120	Fundamentals of Theater Design	
21T.121	Drawing for Designers	
21T.320	Interactive Design and Projection for Live Performance	
CMS.362	Civic Media Collaborative Design Studio	
Units in Major		**153-156**
Unrestricted Electives		**63-66**
Units in Major That Also Satisfy the GIRs		(36)
Total Units Beyond the GIRs Required for SB Degree		**180-183**

The units for any subject that counts as one of the 17 GIR subjects cannot also be counted as units required beyond the GIRs.

[1]   *Either 4.031 or 4.032 may be used as a restricted elective if not selected as part of the design studio requirement.*

[2]   *Subject has prerequisites that are outside of the program.*