

Architecture

AN INTERDEPARTMENTAL MAJOR

Director: *McGibbon^{A2} (Studio Art), Harvey^{A1} (Studio Art), Friedman (Art History)*

A major in architecture offers the opportunity for study of architectural history and practice through an interdisciplinary program. Following the ancient Roman architect, Vitruvius' advice on the education of the architect, the program encourages students to familiarize themselves with a broad range of subjects in the humanities, sciences, and social sciences. Students may also elect courses in studio art, mathematics, and physics which lead to the appreciation of the principles of design and the fundamental techniques of architecture.

Although courses at MIT are not required for the major, the MIT-Wellesley exchange provides a unique opportunity for students to elect advanced courses in design and construction. Students are also encouraged to consider travel or study abroad as important aspects of their education in architecture, and to take advantage of the wide resources of the College and the Department of Art in pursuing their projects.

Each student designs her program of study individually in consultation with the directors. Majors are required to take ARTH 100-101 and ARTS 105. In addition, four units of course work above the 100 level and two 300-level units of course work must be taken in the Department of Art. At least three of these art units (including one at the 300 level) must be taken at Wellesley College. In extraordinary circumstances, students who meet the college's eligibility requirements for honors may, with the permission of the co-directors, elect 360/370 independent work as a path to honors. This is the program's only path to honors.

Students typically include selections from the list below in their core programs.

ARCH 301 Introduction to AutoCAD 2008

Staff

This studio intensive explores the use of computer aided design and drafting techniques. It provides students with a basic working knowledge of AutoCAD 2008 and its applications in architecture and design. *Not offered every year. Subject to Dean's office approval.*

Prerequisite: ARTS 105, plus two 200-level courses in: either architectural history, drawing, or design, or MIT studio (at least one of these must be a studio art course). Preference to architecture majors.

Distribution: None

Semester: Wintersession

Unit: 0.5

ARCH 350 Research or Individual Study

Prerequisite: Open by permission to juniors and seniors.

Distribution: None

Semester: Fall, Spring

Unit: 1.0

ARCH 360 Senior Thesis Research

Prerequisite: By permission of director. See Academic Distinctions.

Distribution: None

Semester: Fall, Spring

Unit: 1.0

ARCH 370 Senior Thesis

Prerequisite: 360 and permission of department.

Distribution: None

Semester: Fall, Spring

Unit: 1.0

Related Courses

For Credit Toward the Major

History of Art

ARTH 100 Introduction to the History of Art Part I: Ancient and Medieval Art

ARTH 101 Introduction to the History of Art Part II: Renaissance to the Present

ARTH 200 Architecture and Urban Form

ARTH 201 Medieval Art and Architecture

ARTH 211 African Art and Architecture

ARTH 227 Islamic Architecture in the Age of the Caliphates

ARTH 228 Modern Architecture
ARTH 230 Frank Lloyd Wright and the American Home
ARTH 231 Architecture and Urbanism in North America
ARTH 235 Landscape and Garden Architecture
ARTH 236 Art, Architecture, and Culture in the Ancient Americas
ARTH 237 Art, Architecture, and Culture in Post-Conquest Mexico
ARTH 240 Asian Art and Architecture
ARTH 243 Roman Art and the Roman Empire
ARTH 244 Sixteenth-Century Art in Italy
ARTH 247 Islamic Art and Architecture
ARTH 259 The Art and Architecture of the European Enlightenment
ARTH 261 Modernisms in Art and Architecture
ARTH 268 Art, Architecture, and Pilgrimage in the Medieval World
ARTH 309 Seminar. Problems in Architectural History
ARTH 310 Renaissance Architecture, Material Culture, and Urban Form
ARTH 318 New England Arts and Architecture
ARTH 320 Seminar. American Architecture
ARTH 325 Seminar. Rococo and Neoclassical Interiors
ARTH 330 Seminar. Italian Renaissance Art
ARTH 332 Seminar. Topics in Medieval Art
ARTH 338 Seminar. Topics in Latin American Art
ARTH 340 Seminar. Topics in American Art

Studio Art

ARTS 105 Drawing I
ARTS 109 Basic Two-Dimensional Design
ARTS 113 Basic Three-Dimensional Design
ARTS 207 Sculpture I
ARTS 216 Spatial Investigations
ARTS 217 Life Drawing
ARTS 219 Introductory Print Methods: Lithography/Monotype
ARTS 220 Introductory Print Methods:
Intaglio/Relief
ARTS 221 Digital Imaging
ARTS 307 Sculpture II
ARTS 313 Virtual Form
ARTS 314 Advanced Drawing
ARTS 317 Seminar. Topics in the Visual Arts
ARTS 322 Advanced Print Concepts

MIT

4.111* (formerly 4.101*) Experiencing Architecture Studio
4.112*(formerly 4.191*) Integrated Architecture Design Studio **or 4.12A** (a IAP version of the same course)
4.113 Applied Architecture Design Studio
4.411 Building Technology Lab
4.401 Introduction to Building Technology

4.500 Introduction to Design Computing

4.114 Applied Architectural Design Studio II

4.115 Applied Architectural Design Studio III

4.440 Basic Structural Design

***Note:** courses marked with * are counted "within the Department of Art"; all others are counted as courses outside the department.

Mathematics

MATH 115 Calculus I

MATH 116 Calculus II

MATH 120 Calculus IIA

MATH 205 Multivariable Calculus

Note: More advanced courses may also be counted toward the major.

Physics

PHYS 104 Fundamentals of Mechanics with Laboratory

PHYS 107 Principles and Applications of Mechanics with Laboratory

Note: More advanced courses may also be counted toward the major.