

# ARCHITECTURAL STUDIES

## Overview and Contact Information

The Architectural Studies Program at Mount Holyoke offers an interdisciplinary approach to issues of design, history, and theory. The program blends studio and academic work, as well as the interactions between architecture and culture throughout history.

Architectural Studies lays a foundation of creative practice, technical skills, problem-solving, and critical thinking that prepares students for graduate study and professions in a variety of fields including architecture, landscape architecture, industrial design, graphic design, urban planning, construction, sustainability, and project management with international development organizations. Mount Holyoke College is also a member of the Five College Architectural Studies program which offers access to the collective courses, faculty, and resources of the Five Colleges.

With interests ranging from architectural history to urban design, majors have enrolled in study abroad programs across the globe, including Copenhagen, Dublin, Florence, and Seoul.

## Contact Information

**Naomi Darling, Program Director**

**Anthony Lee, Chair**

**Melissa Burke, Academic Department Coordinator**

201 Art Building

413-538-2200

<https://www.mtholyoke.edu/academics/find-your-program/architectural-studies> (<https://www.mtholyoke.edu/academics/find-your-program/architectural-studies/>)

## Learning Goals

By participating in the coursework and experiences constituting a major in Architectural Studies, students will acquire the following knowledge and skills. They will:

- Demonstrate knowledge of works of built and landscaped environments in their historical and cultural settings.
- Acquire the vocabulary to describe and analyze monuments and spaces.
- Develop the ability to communicate their design ideas through physical and digital models, drawings, diagrams and visual media.
- Be able to articulate their own design process as informed by architectural theory and historical precedent.
- Acquire a knowledge of sustainable design practices and implications for our changing climate.
- Acquire research skills to locate and assess primary and secondary sources, both print and digital.

## Faculty

**This area of study is administered by Architectural Studies faculty within the Department of Art History and Architectural Studies:**

Naomi Darling, Five College Associate Professor of Architectural Studies

Lisa Haber-Thomson, Assistant Professor of Architectural History

Samuel Barber, Visiting Assistant Professor of Art and Architectural History

### Five College Affiliated Faculty

Gabriel Arboleda, Associate Professor of Art and the History of Art, and Architectural Studies; Chair of Architectural Studies, Amherst College

Thom Long, Five College Associate Professor of Architecture and Design, Hampshire College

## Requirements for the Major

A minimum of 44 credits:

Code	Title	Credits
<b>Foundations</b>		
Art Studio: one approved art studio course at the 100 level, such as:		4
ARTST-120	Drawing I <sup>1</sup>	
	or ARTST-131 Art Studio Foundations	
	or ARTST-142 Digital Art Foundations	
Art History: one approved art history survey course with significant architectural content, such as:		4
ARTH-101	The Built Environment	
	or ARTH-102 Art in the Premodern World	
	or ARTH-103 Western Art: 1400-2000	
	or ARTH-105 Arts of Asia	
Design Studio: 4 credits in approved foundation architectural design studio courses (taken at Mount Holyoke or through the Five College Interchange), such as:		4
Mount Holyoke:		
ARCH-205AD	Introduction to Architecture: 'Design'	
Amherst:		
ARCH-105	Space and Design	
Smith:		
ARS-280	Introduction to Architectural Design: Analog	
<b>Intermediate Concentration:</b>		
One approved studio art course at the 200 level <sup>2</sup>		4
One approved 200-level course in architectural history or an art history course with significant architectural content, such as:		4
ARTH-232RM	Renaissance Cities: 'Rome'	
	or ARTH-233 Italian Renaissance Architecture	
	or ARTH-236 The Global Renaissance	
	or ARTH-290 Issues in Art History: 'Roman Art and Archaeology'	
	or ARTH-290 Issues in Art History: 'Medieval Architecture'	
8 credits in these required design courses at the 200-level:		8
ARCH-225ED	Intermediate Studies in Architecture: 'Environmental Principles'	
And either Smith's ARS-281 Intro Architectural Design Studio OR Hampshire's HACU-275 Digital Architecture Studio		
8 credits at the 200 level in area of concentration, as approved by the advisor. These may be courses in architectural studies, art history, art studio, environmental studies, geography, politics, etc.		8
<b>Advanced Concentration: 8 credits at the 300 level in area of concentration such as architectural design, the history and/or theory of art or architecture. Advanced courses at Mount Holyoke include:</b>		8
ARCH-311	Design-Build Studio <sup>3</sup>	
	or ARCH-395 Independent Study	

or ARTH-300Seminar: 'Building After Rome: Early Medieval Architecture'	
or ARTH-302Great Cities: 'Rome, the Eternal City'	
At UMass, ARCH-403 Design V Studio and ARCH-404 Design-Build Studio are also options. <sup>4</sup>	
<b>Total Credits</b>	<b>44</b>

<sup>1</sup> ARTST-120 or ARTST-131 or ARTST-142 or any of their offerings; for example ARTST-120FR or ARTST-131MM or ARTST-142AT  
<sup>2</sup> Design studios are not substitutes for art studios  
<sup>3</sup> or any topic within ARCH-311, such as ARCH-311FD  
<sup>4</sup> ARCH-403 is taught at UMass in the fall semester. ARCH-404 is taught at UMass in the spring semester of junior year with a summer build practicum.

Other Requirements

- Program plan. Students who elect to major in architectural studies should select an advisor who will assist them in mapping a program of study.

Additional Specifications

- Students are encouraged to fulfill the Science and Mathematics distribution requirement by taking courses in mathematics and physics that are required for graduate study in architecture.
- Students may wish to pursue an independent research or design project. Working closely with a faculty advisor, they submit a project proposal at the beginning of fall semester and enroll in ARCH-395 Independent Study. With approval from their advising committee, students continue the project through the spring semester by enrolling in a second ARCH-395 or the Capstone Design studio (ARCH-305 or its Five College equivalent).
- Students majoring in architectural studies are not eligible to minor in art history or art studio.
- Students should note that completion of this major will likely require them to travel to other institutions within the Five Colleges.

Requirements for the Minor

A minimum of 24 credits:

Code	Title	Credits
One approved art studio course at the 100 level, such as: <sup>1</sup>		4
ARTST-120	Drawing I <sup>1</sup>	
	or ARTST-13 Art Studio Foundations	
	or ARTST-14:Digital Art Foundations	
One approved art history survey course with significant architectural content, such as:		4
ARTH-101	The Built Environment	
	or ARTH-102Art in the Premodern World	
	or ARTH-103Western Art: 1400-2000	
	or ARTH-105Arts of Asia	
	or ARTH-106Arts of Africa and Its Diasporas	
Design Studio: 4 credits in approved architectural design studio courses (taken at Mount Holyoke or through the Five College Interchange), such as:		4
Mount Holyoke:		
ARCH-205AD	Introduction to Architecture: 'Design'	

Amherst:	
ARCH-105 Space and Design	
Smith:	
ARS-280 Introduction to Architectural Design: Analog	
Three approved electives in art history, art studio, or architectural design at the 200 or 300 level	12
<b>Total Credits</b>	<b>24</b>

<sup>1</sup> ARTST-120 or ARTST-131 or ARTST-142 or any of their offerings; for example ARTST-120BV, ARTST-120VE, ARTST-131SE or ARTST-142AT.

Other Requirements

- Program plan. Those intending to minor must meet with a member of the architectural studies faculty to develop an approved program of study.

Additional Specifications

- Students majoring in art history or art studio are not eligible to minor in architectural studies.

Course Offerings

ARCH-203 Scene Design for Theater and Film

*Fall. Credits: 4*  
The purpose of this course is to introduce the history, art, and techniques of designing sets for theater and film. Students will learn how sets have been created in the past, how a designer approaches a script, how a designer's work supports the director's vision, how it illuminates a production for the audience, and what methods and techniques are used in the execution of the process. Students will have the opportunity to exercise their visual imaginations, through the creation of designs for a script. They will engage in script analysis, research, collaborative discussion, sketching, technical drawing, model building, and related techniques and methodologies.  
*Crosslisted as: FMT-240SD*  
*Applies to requirement(s): Humanities*  
*V. James*  
*Notes: Lab; \$50 materials fee. Any additional design supplies and materials are the responsibility of the student.*

ARCH-205 Introduction to Architecture

ARCH-205AD Introduction to Architecture: 'Design'

*Spring. Credits: 4*  
This studio course introduces a series of design investigations around particular themes and approaches to architecture and the built environment. Students will develop visual communication and architectural design skills (sketches, plans, elevations, sections, projected drawings and model making) to tackle interdisciplinary and socially pertinent design problems. Creative and indexical study and analysis will be used to generate and foster a broad range of concepts and language to solve architectural and design issues involving site, inhabitation, function, form, materiality, light and space. Our goal is to apply creative techniques in art and sculpture to the creation of meaningful space.  
*Applies to requirement(s): Humanities*  
*N. Darling*  
*Restrictions: This course is limited to first-years and sophomores.*  
*Advisory: One semester of design or drawing is recommended. Preference given to first-year and sophomore students; others request permission.*  
*Notes: Students enrolled in this course will be responsible for some of the cost of materials.*

**ARCH-225 Intermediate Studies in Architectural Design****ARCH-225ED Intermediate Studies in Architecture: 'Environmental Principles'***Fall. Credits: 4*

This hybrid studio addresses human comfort with lectures and problem work sessions integrated with design projects. We start with an in-depth study of the world's climate regions, the sun, and the earth's tilt and spin. Primary methods of heat transfer are investigated as students research two architectural solutions (vernacular and contemporary) within each climate. Using daylight, the sun's movement, and sun-path diagrams students will design, draw and build a functioning solar clock. Issues in day-lighting and thermal comfort will then drive an extended design problem. Students will be asked to solve numerical problems and present design solutions using both drawings and models.

*Applies to requirement(s): Humanities**N. Darling**Prereq: ARCH-205 or equivalent.**Notes: Students enrolled in this course will be responsible for some of the cost of materials.***ARCH-295 Independent Study***Fall and Spring. Credits: 1 - 4**The department**Instructor permission required.***ARCH-305 Advanced Topics in Architecture****ARCH-305UE Advanced Topics in Architecture: 'Public Space and Everyday Life in Globalizing Spanish Cities'***Spring. Credits: 4*

With a transnational and historical scope, this course will examine everyday life and public space in Spanish cities. We'll approach cities as dynamic global networks shaped by cultures, politics, economies, ideologies, memories, and imaginations. Through literary, visual, and theoretical texts, we'll explore the in/exclusivity of large-scale urban phenomena such as street design, architecture, gentrification, globalization, and mass tourism. From a lesser-known ethnographic angle, we'll also bring into dialogue the power within practices (walking, sitting, remembering, shopping, placemaking) as well as subjects and objects (street vendors, minority identities, urban furniture, buildings).

*Crosslisted as: SPAN-350UE**Applies to requirement(s): Humanities; Language**Other Attribute(s): Writing-Intensive**M. Saltzman**Prereq: Two 200-level Spanish courses above SPAN-212.**Notes: Taught in Spanish.***ARCH-311 Design-Build Studio****ARCH-311FD Design-Build Studio: 'Foldable Structures'***Not Scheduled for This Year. Credits: 4*

Foldable structures such as umbrellas and tents have broad applicability in design. NASA invented a folding solar panel inspired by origami and Calatrava is well known for his kinetic structures such as the Milwaukee Art Museum. This studio will examine various types of kinetic systems and use the facilities of the Mount Holyoke's Fimbel Maker and Innovation Lab to prototype, invent and fabricate foldable portable structures. Students will work independently and in teams to design and fabricate joint, rod and skin systems at a scale large enough to provide shelter for a small group of people.

*Applies to requirement(s): Humanities**N. Darling**Prereq: ARCH-205 and ARCH-225 (or a digital design studio at Hampshire College or Smith College).**Advisory: Math and Computer Science majors welcome with instructor permission.***ARCH-311MK Makerspace Design-Build Studio***Fall. Credits: 4*

The rise of digital fabrication processes has blurred the traditional division of labor enabling architects and designers not only to draw but to also fabricate projects, often using the very same programs. Following the rise in CAD/CAM has been a burgeoning Maker movement as more and more individuals have rediscovered the joys (and sometimes frustrations) of realizing projects within a collaborative environment. This class will introduce students to both traditional and digital making through a series of exercises that will enable students to realize projects using the facilities of the Fimbel Lab.

*Applies to requirement(s): Humanities**N. Darling**Restrictions: This course is open to juniors and seniors**Prereq: ARCH-205 and ARCH-225 (or a digital architecture or art studio).***ARCH-311TH Design-Build Studio: 'Tea House'***Not Scheduled for This Year. Credits: 4*

The traditional Japanese Tea House, renowned for its simplicity of program and space, has often been used by (Japanese) architects as a typology with which to test ideas and experiment with materials, technology and construction techniques. This studio will first introduce the basics of Japanese tea culture and the traditional tea house with a visit to Wa-shin-an and analysis of traditional and contemporary tea houses producing both analytical drawings and models. Finally, each student, working individually or in pairs, will design and build a full-scale tea house using the full facilities of the Fimbel Maker and Innovation Lab.

*Applies to requirement(s): Humanities**N. Darling**Prereq: ARCH-205 and ARCH-225 (or a digital design studio at Hampshire College or Smith College).***ARCH-395 Independent Study***Fall and Spring. Credits: 1 - 8**The department**Instructor permission required.***ARCH-395P Independent Study with Practicum***Fall and Spring. Credits: 1 - 8**The department**Instructor permission required.*

## Related Courses

Students who plan to enroll in courses outside of the Five Colleges, especially in courses to be taken at another institution or abroad, should first consult with their advisor and the program coordinator to determine if the courses meet the departmental criteria for the major.

## Five College Course Offerings in Architectural Studies

Current courses in architectural studies are offered throughout the Five Colleges. Check listings in the Five College course schedule (<https://www.fivecolleges.edu/academics/courses/>).

- Amherst College: Department of Art and the History of Art
- Hampshire College: Humanities, Arts, and Cultural Studies (HACU), Lemelson Center (HCLC)
- Smith College: Department of Art; Landscape Studies Program
- University of Massachusetts: Architecture and Design; Building Construction Technology; Landscape Architecture and Regional Planning.