

# Stackable Certificate Programs, Architecture

Stackable graduate certificates are available to degree-seeking and non-degree-seeking graduate students. Some stackable certificates may be awarded following completion of program requirements, while others require simultaneous awarding of the graduate certificate and a graduate degree.

See the [Stackable Certificates section](#) of this catalog for additional information and policies related to stackable certificates.

The graduate program for this catalog section offers the following stackable certificate programs. To see a full list of graduate certificates offered at the University, please see the [Graduate Study](#) section of the *Graduate Catalog*.

## Architecture: Building Technology

The [Architecture: Building Technology](#) stackable graduate certificate is designed for students interested in the role of building technology within the design process. Students who pursue this certificate will focus on systems integration, structural design, construction materials and processes, and issues of sustainable design. The stackable graduate certificate is open to any University of Texas at Austin degree-seeking graduate student and requires three courses (nine credit hours). All courses required for the stackable graduate certificate are offered in a face-to-face format on the UT Austin campus.

Requirements	Hours
Nine hours selected from the following:	9
ARC 385S Structures II	
ARC 386M Topics in Architectural Theory (Topic 9: Designing the Way We Build)	
ARC 386M Topics in Architectural Theory (Topic 21: Timber Technologies)	
ARC 388R Topics in the History of Architecture and Historic Preservation (Topic 7: History of Building Technology)	
ARC 388R Topics in the History of Architecture and Historic Preservation (Topic 19: Design Logics: Projection and Proportion in Architecture)	
<b>Total Hours</b>	<b>9</b>

## Architecture: Community Equity Design

The [Architecture: Community Equity Design](#) stackable graduate certificate accommodates a growing interest in community equity design among designers and diverse professionals to develop tools that can engage and foster design as a collaborative effort grounded in public interest design methodologies. As a result, students will not only gain expertise in community equity design, they will become better equipped to address the world's most pressing concerns regarding social, economic, and environmental issues of the built environment. As part of this program, students will engage in an off-campus design-research problem, working directly with an approved stakeholder in the region; take on the roles of both citizen and designer, organizing and attending stakeholder meetings, while conducting field-research outside of the classroom setting; and submit a scholarly paper reflecting on lessons learned during their research. The stackable graduate certificate is open to any UT Austin degree-seeking graduate student and requires

three courses (nine credit hours). All courses required for the stackable graduate certificate are offered in a face-to-face format.

Requirements	Hours
ARC 389 Research in Architecture	3
Six hours selected from the following:	6
ARC 386M Topics in Architectural Theory (Topic 29: Futures and Cities)	
ARC 386M Topics in Architectural Theory (Topic 30: Race and Gender by Design)	
ARC 388R Topics in the History of Architecture and Historic Preservation (Topic 20: Migratory Urbanism)	
ARC 388R Topics in the History of Architecture and Historic Preservation (Topic 22: Cultural Landscape and Ethnographic Methods)	
ARC 388R Topics in the History of Architecture and Historic Preservation (Topic 24: African American Experience in Architecture)	
<b>Total Hours</b>	<b>9</b>

## Architecture: Digital Technology

The [Architecture: Digital Technology](#) stackable graduate certificate is for students who are interested in using advanced and emerging digital technologies for design at multiple scales. Courses that fulfill the certificate requirements include instruction on software, computational design methods, digital fabrication, and digital design theory. Students will be exposed to a variety of different computer programs and design processes while pursuing this certificate and leverage computational design to create new objects, buildings, and cities that would otherwise not be possible. Students will explore how contemporary architectural theory shapes this discourse. The stackable graduate certificate is open to any UT Austin degree-seeking graduate student and requires three courses (nine credit hours). All courses required for the stackable graduate certificate are offered in a face-to-face format on the UT Austin campus.

Requirements	Hours
Nine hours selected from the following:	9
ARC 380C Topics in Visualization and Fabrication (Topic 1: Living Wall: Design and Fabrication)	
ARC 380C Topics in Visualization and Fabrication (Topic 2: Reality Capture for Architecture)	
ARC 380C Topics in Visualization and Fabrication (Topic 3: Material Info: Design through Fabrication)	
ARC 380V Topics in Digital Technology and Fabrication (Topic 1: Creative Robotics)	
ARC 381F Digital Drawing and Fabrication	
ARC 386M Topics in Architectural Theory (Topic 26: Computational Design)	
ARC 386M Topics in Architectural Theory (Topic 31: Architecture Computation)	

ARC 386M	Topics in Architectural Theory (Topic 32: Composition and Architecture)	
ARC 391P	Productions	
ARC 392P	Prototype	
<b>Total Hours</b>		<b>9</b>

## Architecture: Environmental Equity Design

The [Architecture: Environmental Equity Design](#) stackable graduate certificate accommodates a growing interest in environmental equity design among designers and diverse professionals to develop tools that can engage and foster design as a collaborative effort grounded in public interest design methodologies. As a result, program participants will not only gain expertise in environmental equity design, they will become better equipped to address the world's most pressing concerns regarding social, economic, and environmental issues of the built environment. As part of this program, students will engage in an off-campus design-research problem, working directly with an approved stakeholder in the region; take on the roles of both citizen and designer, organizing and attending stakeholder meetings, while conducting field-research outside of the classroom setting; and submit a scholarly paper reflecting on lessons learned during their research. The stackable graduate certificate is open to any UT Austin degree-seeking graduate student and requires three courses (nine credit hours). All courses required for the stackable graduate certificate are offered in a face-to-face format.

Requirements		Hours
ARC 389	Research in Architecture	3
Six hours selected from the following:		6
ARC 386M	Topics in Architectural Theory (Topic 7: Design of New Communities)	
ARC 386M	Topics in Architectural Theory (Topic 13: Light and Sustainable Design)	
ARC 386M	Topics in Architectural Theory (Topic 33: Regenerative Architecture)	
ARC 386M	Topics in Architectural Theory (Topic 35: Sustainability: Why This Way)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 20: Migratory Urbanism)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 24: African American Experience in Architecture)	
<b>Total Hours</b>		<b>9</b>

## Architecture: Latin American Architecture

By enhancing and promoting a regional focus that already exists in the school's graduate curriculum, the [Architecture: Latin American Architecture](#) stackable graduate certificate allows graduate students to develop a comparative approach to architectural education and scholarship and equips them with tools to engage in the effect that globalization has on architecture and place more broadly. As a result, program participants will not only gain expertise in Latin American architecture, they will also become better equipped to address the world's most pressing issues regarding the built environment. The

stackable graduate certificate is open to any UT Austin degree-seeking graduate student and requires three courses (nine credit hours). All courses required for the stackable graduate certificate are offered in a face-to-face format on the UT Austin campus.

Requirements		Hours
Nine hours selected from the following:		9
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 1: 20th Century Latin American Architecture)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 20: Migratory Urbanism)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 22: Cultural Landscape and Ethnographic Methods)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 23: Borderlands and Mexican Built Environment History)	
ARC 395C	Mexican Architecture and Urbanism: From Pre-Columbian to Contemporary	
<b>Total Hours</b>		<b>9</b>

## Architectural History: Political, Social, and Cultural Histories of Architecture

The [Architectural History: Political, Social, and Cultural Histories of Architecture](#) stackable graduate certificate program investigates the social, political, and economic histories of architecture and urbanism. With an emphasis on macro structures (i.e., capitalism) in relation to historically marginalized groups (migrants, people of color, laborers, etc.), these courses ask students to deeply contextualize "sites" and "architectures." To complement the work and role of the architect, the focus explores the users and makers of ordinary built environments as well as canonical works of architecture. Beyond developing a specific historic lens or framework to view and analyze architecture, students will also conduct their own architectural histories of everyday environments and ask questions about architecture that address the pressing social issues of our time. The stackable graduate certificate is open to any UT Austin degree-seeking graduate student and requires three courses (nine credit hours). All courses required for the stackable graduate certificate are offered in a face-to-face format on the UT Austin campus.

Requirements		Hours
Nine hours selected from the following:		9
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 8: Hybridity in Landscape/Architecture)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 20: Migratory Urbanism)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 22: Cultural Landscape and Ethnographic Methods)	

ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 24: African American Experience in Architecture)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 25: History of the Profession: Architecture and Capitalism)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 26: Theorizing Space in the Americas)	
<b>Total Hours</b>		<b>9</b>

## Historic Preservation: Cultural Heritage: Building Materials and Documentation

The program requires completion of nine semester credit hours of coursework and is available to degree-seeking students.

Requirements		Hours
ARC 385T	Topics in Building Construction and Conservation (Topic 1: Architectural Conservation: Field Methods)	3
ARC 385T	Topics in Building Construction and Conservation (Topic 2: Architectural Conservation: Lab Methods)	3
ARC 386M	Topics in Architectural Theory (Topic 37: Graphic Documentation)	3
<b>Total Hours</b>		<b>9</b>

## Historic Preservation: Cultural Heritage: History and Research

Cultural heritage advocacy seeks to protect heritage and communities, manifested in buildings, landscapes, or even intangibles, such as a sense of place or traditions. Like other sustainability efforts, cultural heritage studies help to conserve resources for society's betterment in the present and the future. Understanding historic cultural heritage principles and historical research are crucial for a thoughtful design strategy when dealing with historic buildings. In the [Historic Preservation: Cultural Heritage: History and Research](#) stackable graduate certificate, students will explore foundational skills and knowledge to approach cultural heritage from the historical point of view. Students will formulate historical research and reports while describing the historical built environment using terms and concepts embedded in the field of cultural heritage practice. All courses required for the stackable graduate certificate are offered in a face-to-face format on the UT Austin campus.

Requirements		Hours
Nine hours selected from the following:		
ARC 386M	Topics in Architectural Theory (Topic 38: National Register of Historic Places)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 15: Methodologies in Architectural History)	
ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 17: Preservation History and Theory)	

ARC 388R	Topics in the History of Architecture and Historic Preservation (Topic 18: Preservation Planning and Practice)	
<b>Total Hours</b>		<b>9</b>

## Sustainable Design: Technology and Environment

The [Sustainable Design: Technology and Environment](#) stackable graduate certificate is for students interested in sustainability at various scales and within a diverse set of contexts. Program participants will focus on issues of performance, primarily at the building scale - considering both technical components such as daylight modulation and thermal factors within larger systems, as well as philosophical questions about sustainable design and its potential boundaries or lack thereof. Building science and phenomenological experience are both considered throughout the coursework. All courses required for the stackable graduate certificate are offered in a face-to-face format on the UT Austin campus.

Requirements		Hours
Nine hours selected from the following:		
ARC 384G	Environmental Control: Light, Sound, and Electricity	
ARC 386M	Topics in Architectural Theory (Topic 11: Energy Modeling and the Design Process)	
ARC 386M	Topics in Architectural Theory (Topic 13: Light and Sustainable Design)	
ARC 386M	Topics in Architectural Theory (Topic 19: Solar Geometry and Energy Flow)	
ARC 386M	Topics in Architectural Theory (Topic 33: Regenerative Architecture)	
ARC 386M	Topics in Architectural Theory (Topic 34: Sustainable Architectural Design)	
ARC 386M	Topics in Architectural Theory (Topic 35: Sustainability: Why This Way)	
ARC 386M	Topics in Architectural Theory (Topic 36: Introduction to Urban Ecology)	
ARC 380D	Topics in Design and Practice (Topic 1: Twenty-Second-Century Materials)	
<b>Total Hours</b>		<b>9</b>