MASTER OF ARCHITECTURE AND MASTER OF REAL ESTATE DEVELOPMENT + URBANISM DUAL DEGREE

Overview

The dual Master of Architecture I and the Master of Real Estate Development and Urbanism is a 123 credit program (102 cr + 21 cr). The dual Master of Architecture I AP and Master of Real Estate Development and Urbanism program is a 81 credit program (60 cr + 21 cr).

Master of Architecture I (3-year track)

The Master of Architecture I is a NAAB-accredited, 3-year (7 semester) program intended for students holding non-professional undergraduate degrees. This STEM-designated professional degree program provides a well-grounded understanding of architecture as students immerse in contemporary challenges to address a variety of social, cultural, technological and programmatic contexts.

At the heart of the M.Arch I curriculum are Core Studios that introduce students to critical topics, imbue necessary skills, inspire critical thinking, examine the production of meaning in architecture, and foster an understanding of architecture as an integrative discipline. The Core Studios are carefully synchronized with core courses in drawing and visualization, history and theory, technology and systems, and practice.

The first year of the program is an intensive introduction to the tools, conventions and agendas central to the discipline of architecture. The first two studios balance an exploration of form and function that will define the future of the profession, with a deep commitment to learning from architecture's past and present. The following summer, students participate in the Great Cities Design Studio. The Great Cities Design Studio uses design-based critical inquiry to address issues of site-specific design and infrastructure. This immersive travel-based studio provides ample opportunities for extensive student analysis and observation. Students will discover the layers of the City, combining archaeology and anthropology with architecture and history. Coursework emphasizes a critical assessment of the given site relative to questions of program, infrastructure, and cultural changes.

During the second year, studios focus on the complex interrelationship of architectural problems across scales, from building details to global ecologies. Through design-based critical inquiry, students engage the many mandates of architectural design, including resilience, program, form, structural and environmental systems, building envelope, and urban context. The realities of the architectural profession are a consistent presence throughout the year, with practicing professionals incorporated into the studio context, and an emphasis on proficiency in technical documentation.

Beyond the Core Studios, students are able to develop individual focuses, including computation and digital technologies, design-build, building construction, sustainability and resilience, urban design, historic preservation, adaptive-reuse, healthcare, or hospitality. Students direct this trajectory to match their own interests and career ambitions, allowing them to earn certificates in a professional concentration. This development is supported by a range of Upper Level Design Studios that reflect the diversity of faculty interests and experience, including those of internationally-recognized visiting scholars and fellows. The School is also home to innovative research units, including RAD-UM, Littoral Urbanism Lab, Community, Housing & Identity, Center for Urban and Community Design and O Lab.

In their final year, graduate M.Arch students can opt to take an additional Upper Level Design Studio or pursue an Architecture Design Degree Project. The Architecture Design Degree Project takes one of three forms: 1) an individual design thesis on a topic selected and developed by the student through rigorous research, or 2) a directed design research group or 3) a Vertical Studio. Individual thesis is an opportunity for each student, working with a faculty advisor, to define an individual position with regard to the discipline of Architecture. In contrast, design research groups are led by faculty, and address relevant architectural questions through the lens of the faculty's areas of expertise.

The M.Arch degree can also be combined efficiently with on-site post-professional degree programs, such as the Master of Urban Design and the Master of Real Estate Development and Urbanism.

Master of Architecture I AP (2-year advanced placement track)

The Master of Architecture I AP is a 2-year (4-semester program) for students holding a pre-professional degree in architecture or a closely-related field. This STEM-designated professional degree program provides an advanced platform for students to engage contemporary challenges and address a variety of social, cultural, technological and programmatic contexts.

This M.Arch I AP program allows students to advance their undergraduate education by engaging more complex challenges, honing their skills in essential areas, and by developing individual focus areas, for instance in advanced technology, design-build, and building construction, sustainability and resilience, urban design, historic preservation and adaptive-use, healthcare, or hospitality. Students direct their trajectory following their interests, develop areas of professional concentration through certificates, and engage in critical research.

Beyond the Core Studios, students are able to develop individual focuses, including computation and digital technologies, design-build, building construction, sustainability and resilience, urban design, historic preservation, adaptive-reuse, healthcare, or hospitality. Students direct this trajectory to match their own interests and career ambitions, allowing them to earn certificates in a professional concentration. This development is supported by a range of Upper Level Design Studios that reflect the diversity of faculty interests and experience, including those of internationally-

recognized visiting scholars and fellows. The School is also home to innovative research units, including RAD-UM, Littoral Urbanism Lab, Community, Housing & Identity Lab, Center for Urban and Community Design and O Lab.

In their final year, graduate M.Arch students can opt to take an additional Upper Level Design Studio or pursue an Architecture Design Degree Project. The Architecture Design Degree Project takes one of three forms: 1) an individual design thesis on a topic selected and developed by the student through rigorous research, or 2) a directed design research group or 3) a Vertical Studio. Individual thesis is an opportunity for each student, working with a faculty advisor, to define an individual position with regard to the discipline of Architecture. In contrast, design research groups are led by faculty, and address relevant architectural questions through the lens of the faculty's areas of expertise.

The M.Arch degree can also be combined efficiently with on-site post-professional degree programs, such as the Master of Urban Design or the Master of Real Estate Development and Urbanism.

Certificates

Graduate students increasingly look to areas of concentration that can provide skill and knowledge bases for professional applications. Historic Preservation, Classical and Traditional Design, Design for Health and Wellbeing, Sustainable and Resilient Design, Design for Health and Well-Being, Construction Management, Urban Design, and Real Estate Development prove to be rapidly growing areas of professional specialization as they engage critical areas of investigation in contemporary architecture. The certificate programs address both the intellectual and academic needs of the School of Architecture, and the desire of the School to use its current curriculum as a platform to engage these specialized areas further.

Certificates require 12-15 credits of one certificate-related studio (6 cr) and related architecture electives (9 cr).

Master of Real Estate Development an Urbanism

The University of Miami's (UM) Master of Real Estate Development + Urbanism (MRED+U) program is an immersive one-year graduate program that combines coursework in real estate development, finance, market analysis, construction, architecture, urban design, law and entrepreneurship. The knowledge and skill required to acquire, program, design, construct, reposition and manage real estate is complex. The MRED+U program prepares students for exciting and meaningful careers that embrace this complexity through the most interdisciplinary curriculum of its kind-one that blends the fundamentals of real estate development with livable community design. Students are immersed in one of the world's most dynamic real estate markets through a rigorous curriculum enriched with a wide range of experiences that extend beyond the classroom including study tours, major industry conferences, speaker series, the annual Real Estate Impact Conference, research initiatives and networking events. The prestigious MRED+U Advisory Board connects students with over 60 industry leaders who are directly engaged in the program as lecturers, mentors and advisors, providing case studies, internship and employment opportunities and access to dozens of cutting-edge projects from every real estate sector.

Please refer to our website for the latest admission requirements (https://www.arc.miami.edu/admissions/admission-requirements/graduate-requirements/).

Curriculum Requirements with MARCH I (3-Year Track)

Code	Title	Credit Hours
ARC 604	Immersive Architectural Design Studio I	6
ARC 605	Immersive Architectural Design Studio II	6
ARC 606	Great Cities Design Studio	6
ARC 607	Advanced Architectural Design Studio	6
ARC 608	Integrated Architecture Design Studio	6
ARC 609	Architecture Design	6
ARC 610	Architecture Design Degree Project	6
ARC 611	Spatial Representation + Architectural Media 1	3
ARC 613	Spatial Representation + Architectural Media 2	3
ARC 620	Responsible Architecture	3
ARC 630	Building Technology: Materials and Methods	3
ARC 632	Structure Pt. I - The Form of Forces in Elements	3
ARC 633	Structure Pt. II - From Elements to Assemblies	3
ARC 651	Profiles in Practice	3
ARC 652	Management of Professional Practice	3
ARC 662	Environmental Building Systems I	3
ARC 663	Environmental Building Systems II	3
ARC 667	History of Architecture	3
ARC 668	Diverse Histories of Architecture 20C. + Beyond	3
ARC 691	Analysis and History of Urban Form	3

ARC 699	Directed Research	3
BSL 694	Real Estate Law	2
RED 601	Introduction to Real Estate Development and Urbanism	3
RED 610	Financing Urban Real Estate Development	3
RED 612	Applied Real Estate Finance and Investments: I	2
RED 630	Real Estate Economics and Market Analysis	3
RED 660	Urban Redevelopment	3
RED 680	Entrepreneurship in Real Estate Development (or RED 650)	3
Technology & Systems Elective		3
Construction Management Elective		3
RED 608 prior to start of MREDU finance courses		
Electives		14
Total Credit Hours		**123**

Curriculum Requirements with MARCH I AP (2-Year Track)

Code	Title	Credit Hours
ARC 607	Advanced Architectural Design Studio	6
ARC 608	Integrated Architecture Design Studio	6
ARC 609	Architecture Design	6
ARC 610	Architecture Design Degree Project	6
ARC 615	Advanced Architectural Media	3
ARC 620	Responsible Architecture	3
ARC 651	Profiles in Practice	3
ARC 652	Management of Professional Practice	3
ARC 663	Environmental Building Systems II	3
ARC 699	Directed Research	3
BSL 694	Real Estate Law	2
RED 601	Introduction to Real Estate Development and Urbanism	3
RED 610	Financing Urban Real Estate Development	3
RED 612	Applied Real Estate Finance and Investments: I	2
RED 630	Real Estate Economics and Market Analysis	3
RED 660	Urban Redevelopment	3
RED 680	Entrepreneurship in Real Estate Development (or RED 650)	3
Technology & Systems Elective		3
Construction Management Elective		3
History of Architecture Elective		3
RED 608 prior to start of MREDU finance courses		
Electives		11
Total Credit Hours		**81**

Suggested Plan of Study with MARCH I (3-Year Track)

Fall I		Credit Hours
ARC 604	Immersive Architectural Design Studio I	6
ARC 611	Spatial Representation + Architectural Media 1	3
ARC 620	Responsible Architecture	3
ARC 630	Building Technology: Materials and Methods	3
	Credit Hours	**15**
Spring I		
ARC 605	Immersive Architectural Design Studio II	6
ARC 613	Spatial Representation + Architectural Media 2	3
ARC 632	Structure Pt. I - The Form of Forces in Elements	3

ARC 667	History of Architecture	3
	Credit Hours	**15**
Summer I		
ARC 606	Great Cities Design Studio	6
ARC 653	Urban Representation + Sketching	1
ARC 691	Analysis and History of Urban Form	3
	Credit Hours	**10**
Fall II		
ARC 607	Advanced Architectural Design Studio	6
ARC 633	Structure Pt. II - From Elements to Assemblies	3
ARC 651	Profiles in Practice	3
ARC 662	Environmental Building Systems I	3
RED 601	Introduction to Real Estate Development and Urbanism	3
	Credit Hours	**18**
Spring II		
ARC 608	Integrated Architecture Design Studio	6
ARC 652	Management of Professional Practice	3
ARC 663	Environmental Building Systems II	3
ARC 668	Diverse Histories of Architecture 20C. + Beyond	3
RED 630	Real Estate Economics and Market Analysis	3
	Credit Hours	**18**
Summer II		
Electives		9
	Credit Hours	**9**
Fall III		
ARC 609	Architecture Design	6
ARC 699	Directed Research	3
BSL 694	Real Estate Law	2
RED 608	Finance Bootcamp	2
RED 610	Financing Urban Real Estate Development	3
Construction Management Elective		3
	Credit Hours	**19**
Spring III		
ARC 610	Architecture Design Degree Project	6
RED 612	Applied Real Estate Finance and Investments: I	2
RED 660	Urban Redevelopment	3
RED 680	Entrepreneurship in Real Estate Development (or RED 650)	3
Technology & Systems Elective		3
Elective		2
	Credit Hours	**19**
	Total Credit Hours	**123**

Suggested Plan of Study with MARCH I AP (2-Year Track)

Fall I		Credit Hours
ARC 607	Advanced Architectural Design Studio	6
ARC 615	Advanced Architectural Media	3
ARC 620	Responsible Architecture	3
ARC 651	Profiles in Practice	3
RED 601	Introduction to Real Estate Development and Urbanism	3
	Credit Hours	**18**
Spring I		
ARC 608	Integrated Architecture Design Studio	6

ARC 652	Management of Professional Practice	3
ARC 663	Environmental Building Systems II	3
RED 630	Real Estate Economics and Market Analysis	3
History of Architecture Elective		3
	Credit Hours	**18**
Summer I		
Electives		3
	Credit Hours	**3**
Fall II		
ARC 609	Architecture Design	6
ARC 699	Directed Research	3
BSL 694	Real Estate Law	2
RED 608	Finance Bootcamp	2
RED 610	Financing Urban Real Estate Development	3
Elective		2
	Credit Hours	**18**
Spring II		
ARC 610	Architecture Design Degree Project	6
RED 612	Applied Real Estate Finance and Investments: I	2
RED 660	Urban Redevelopment	3
RED 680	Entrepreneurship in Real Estate Development (or RED 650)	3
Technology & Systems Elective		3
Elective		1
	Credit Hours	**18**
Summer II		
Electives		6
	Credit Hours	**6**
	Total Credit Hours	**81**