

MASTER OF ARCHITECTURE I AND MASTER OF URBAN DESIGN DUAL DEGREE

Overview

The dual Master of Architecture I and Master of Urban Design is a 126 credit program. The dual Master of Architecture I AP and Master of Urban Design is a 81 credit program.

The **Master of Architecture I** is a NAAB-accredited, 3 year (7 semesters) program intended for students holding undergraduate degrees in non-design fields. 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 begins with an examination of the relationship between nature, landscape, and the built environment, and how architectural form is informed by a careful reading of place. A summer in the School's Rome studio is configured to provide an intensive, on-site experience balancing design, history, theory, and analysis through drawing. In order to make travel to Rome more accessible, the School covers the cost of travel and lodging for this trip.

During the second year, students engage design-based critical inquiry into more complex issues including technology, structural systems, environmental stewardship, building envelope systems, and social human-centered aspects of architecture. In the Integrative Studio, which systematically incorporates professionals into the studio environment, students emulate modes of practice by organizing a complex architectural project combining design considerations with complex building systems, while also demonstrating proficiency in technical documentation.

In their final year, graduate M.Arch students are expected to pursue a final degree project. Final degree projects comprise one of two tracks:

- 1) Design Thesis, an opportunity for each student, working with a faculty advisor, to conduct independent scholarly research and define an individual position with regard to the discipline of architecture
- 2) Graduate Design Research Studio, led by a faculty member, which investigates relevant or thematic issues of architecture.

Beyond the Core Studios, students are able to develop 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.

U-SoA faculty are joined each year by internationally-recognized visiting scholars and fellows. The diversity of faculty interests and experience offers opportunities for students in the selection of Advanced Elective Design Studios. The School is home to innovative research units, including RAD-UM, a lab dedicated to emergent embedded technology, the Laboratory of Littoral Urbanism, an acclaimed design/build program, and the Center for Urban and Community Design.

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.

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The **Master in Urban Design** provides students with a design experience investigating the guiding principles for building regions, cities and communities. The degree is STEM-designated which allows international students to apply for OPT for up to 36 months after graduation.

Guided by imperatives of sustainability and resilience, the program conceptualizes cities as an extension of the ecological transect across the natural to human habitat, providing students with a range of experiences from rural to urban.

Program Director Elizabeth Plater-Zyberk, recognized for her foundational role in the development of the movement called the New Urbanism, leads the program that invites students to explore design, policy and management tools for place-making as a vehicle for improving quality of life in a variety of urban settings. The impact of the built environment on health, retrofitting the suburban landscape, real estate development as community building, adaptation to climate change, and urban growth and revitalization, are topics prominent in course offerings and faculty research.

The three-semester curriculum begins in the fall each year with foundation courses in urban design and real estate development, in an Interdisciplinary approach structured by environmental, social and economic goals. The spring semester intensifies students' engagement with contemporary urban challenges such as climate resilience, healthy community design, and repair of suburban sprawl. The summer semester provides a concluding experience that aggregates prior topics in an international setting that challenges goals of sustainability and resource conservation. As part of the curriculum, students participate in the National Charrette Institute certification course, a training in public outreach and participatory planning, and collaborate with real estate development students in two special projects: a national design and development competition, and a local community revitalization plan. These experiences and the course work shared with the Master of Real Estate Development and Urbanism program provide a focus on implementation. The optional fourth semester of the Master of Urban Design program is a semester-long independent study design project or thesis. In recent years these have focused on topics such as greening a Brazilian City, socially integrated public housing in China, and an analysis of principles and metrics of Smart Cities and New Urbanism.

Other resources that enrich the urban design student's experience in the School include the Center for Community and Urban Design (CUCD), engaging students in community outreach projects in South Florida and The Caribbean, and the Archive of the New Urbanism, housed in the School of Architecture Library. The Archive is a growing resource of documents, with both texts and images that support research related to urban design. Also, Research Affiliates from around the world join the faculty annually to study the state-of-the-art in urban design and architecture.

Guiding the ever evolving program are faculty members Charles Bohl, Jaime Correa, Eric Firley, Jean Francois Lejeune, Victor Deupi and Joanna Lombard, internationally recognized in research, publication and design.

While the Master of Urban Design is a post-professional program, structured for students with a professional degree in architecture, those holding a degree in engineering, planning or landscape architecture may apply for admission. A preparatory summer course may be required for non-architects, to be determined by the admission process.

History of Program

Urban Design offerings at the School of Architecture emerged in the 1980's when a group of faculty members sought to have an impact on the urban growth of South Florida. The impetus was their study of Coral Gables, a Progressive Era new town, one of a series of Anglo-American Suburbs that can be found across the United States. George Merrick founded Coral Gables in 1923. He believed that for his city to be great it needed a university, and he set aside land for the University of Miami. The architects Merrick engaged in the building of Coral Gables founded the architecture program at the outset. Today, building on his legacy, the School of Architecture is renown for its dedication to preparing future professionals with an understanding of the larger context for their work in the environment and society.

In 1988, mentored by their city and their studies of its design, and by leading thinkers of the time such as Leon and Rob Krier, the faculty established a post-professional degree in urban design. The young faculty's design of Seaside, now an icon of new community design, challenged the planning and development conventions of its day. The new masters program established the precepts of Traditional Neighborhood Development (TND) and of the Charter for the New Urbanism. The School's faculty and alumni are among the founders of the Congress for the New Urbanism, and have been prominent contributors to the evolution of the movement, now a globally renowned approach to sustainable urban growth and revitalization.

Admission Requirements with MARCH I (3-Year Track)

Applications are generally considered for entrance in the Fall semester. only. Design studios in the Master of Architecture I and Master of Urban Design programs are sequenced to deliver a cohesive educational experience and students are expected to follow the established design studio sequence for their program. Students entering the program in Spring or Summer are not eligible to enter the studio sequence at that time, but may take electives or other required courses. This may extend the duration of the program.

Applications start on November 1 until June 1 for entry in Fall and October 1 until December 1 for entry in Spring. Admission to the Graduate Program is subject to the rules, regulations and procedures of the Graduate School (<http://grad.miami.edu/>) as stipulated in the University Graduate Bulletin (<http://bulletin.miami.edu/>). It is the responsibility of each student to understand these requirements and to ensure that they are met.

Applications will be reviewed by the Architecture Faculty Graduate Admissions Committee only after fulfilling the below requirements and all of the following documents have been received:

1. 3.0 cumulative point average
2. Completed application (<http://grad.miami.edu/apply/on-campus-graduate-programs/>) form with an application fee. This fee is mandatory.

3. A letter or statement expressing your interest in the program and reasons for applying.
4. Official transcripts of all college and university courses taken, indicating the date your professional or other undergraduate degree was awarded. All transcripts must be sent directly from the institution's registrar. E-scripts to download are also accepted. See more information on international transcripts below.
5. Three academic (and professional, if applicable) letters of recommendation. If you have waived your right for access to your letters, they may be sent directly from the recommender, or they may be included with your application in a signed and sealed envelope.
6. Digital portfolio sent to email: SoAgradadmissions@miami.edu.

Please save the digital portfolio with your Lastname_Firstname. Digital portfolios must be no greater than 8 MB. You may also share a portfolio link to review your work.

Students applying must present a selection of their best architectural works during their pre-professional studies. In order to facilitate the waiving of courses and studios, examples must emphasize comprehensive skills including sketches, plans, sections and elevations, and graphics that exhibit conceptual and diagramming abilities, understanding of structures and of urban context, as well as any other skills (computer modeling, models, photography and film abilities, etc.). Examples of professional work are encouraged but must clearly identify and describe work done independently and as part of a team.

Additional requirements for International Students:

1. TOEFL of min. 80 or IELTS of min. 6.5 (please use University code 5815).
2. Graduate international transcripts will be reviewed by one of the approved Evaluation Services:
3. Josef Silny & Associates, Inc., International Education Associates (https://www.arc.miami.edu/_assets/pdf/universityofMIAMI-graduate.pdf), (www.jsilny.org (<http://www.jsilny.org/>))
4. Educational Credential Evaluators, Inc. (<http://www.ece.org/>) (www.ece.org (<http://www.ece.org/>))
5. World Education Services (<http://www.wes.org/>) (www.wes.org (<http://www.wes.org/>))

For application review purposes, English translated official transcripts are sufficient. Once the applicant gets admitted, the international evaluation report is required.

Admission Requirements with MARCH (2 Year Track)

Applications are generally considered for entrance in the Fall semester. only. Design studios in the Master of Architecture and Urban Design programs are sequenced to deliver a cohesive educational experience and students are expected to follow the established design studio sequence for their program. Students entering the program in Spring or Summer are not eligible to enter the studio sequence at that time, but may take electives or other required courses. This may extend the duration of the Master of Architecture program.

Applications start on November 1 until June 1 for entry in Fall and October 1 until December 1 for entry in Spring. Admission to the Graduate Program is subject to the rules, regulations and procedures of the Graduate School (<http://grad.miami.edu/>) as stipulated in the University Graduate Bulletin (<http://bulletin.miami.edu/>). It is the responsibility of each student to understand these requirements and to ensure that they are met.

Applications will be reviewed by the Architecture Faculty Graduate Admissions Committee only after fulfilling the below requirements and all of the following documents have been received:

1. 3.0 cumulative point average
2. Completed application (<http://grad.miami.edu/apply/on-campus-graduate-programs/>) form with an application fee. This fee is mandatory.
3. A letter or statement expressing your interest in the program and reasons for applying.
4. Official transcripts of all college and university courses taken, indicating the date your professional or other undergraduate degree was awarded. All transcripts must be sent directly from the institution's registrar. E-scripts to download are also accepted. See more information on international transcripts below.
5. Three academic (and professional, if applicable) letters of recommendation. If you have waived your right for access to your letters, they may be sent directly from the recommender, or they may be included with your application in a signed and sealed envelope.
6. Digital portfolio sent to email: SoAgradadmissions@miami.edu.

Please save the digital portfolio with your Lastname_Firstname. Digital portfolios must be no greater than 8 MB. You may also share a portfolio link to review your work.

Students applying for **advanced standing (MARCH I AP/ 2-year track)** must present a selection of their best architectural works during their pre-professional studies. In order to facilitate the waiving of courses and studios, examples must emphasize comprehensive skills including sketches, plans, sections and elevations, and graphics that exhibit conceptual and diagramming abilities, understanding of structures and of urban context, as well as any other skills (computer modeling, models, photography and film abilities, etc.). Examples of professional work are encouraged but must clearly identify and describe work done independently and as part of a team.

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4. Educational Credential Evaluators, Inc. (<http://www.ece.org/>) (www.ece.org) (<http://www.ece.org/>)
5. World Education Services (<http://www.wes.org/>) (www.wes.org) (<http://www.wes.org/>)

For application review purposes, English translated official transcripts are sufficient. Once the applicant gets admitted, the international evaluation report is required.

Please visit our website at www.arc.miami.edu (<https://grad.arc.miami.edu/>) and refer to our latest admission and portfolio requirements [here](https://www.arc.miami.edu/admissions/admissions-and-portfolio-requirements/grad-requirements/) (<https://www.arc.miami.edu/admissions/admissions-and-portfolio-requirements/grad-requirements/>).

Curriculum Requirements with MARCH I (3-Year Track)

Code	Title	Credit Hours
ARC 601	Urban Design Studio I	6
ARC 603	Urban Design Studio III	6
ARC 604	Architecture Design and Theory I	6
ARC 605	Architecture Design and Theory II	6
ARC 606	Architectural Design and Theory III	6
ARC 607	Architecture Design and Theory IV	6
ARC 608	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 621	Housing, Infrastructure and Transportation	3
ARC 622	Urban Design History and Theory	3
ARC 623	Urban Design Competition	1
ARC 630	Building Technology I: Materials and Methods	3
ARC 631	Building Technology II: The Form of Forces	3
ARC 632	Building Structures I - Forces in Structural Elements	3
ARC 633	Building Structures II - From Elements to Assemblies	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 I	3
ARC 668	History of Architecture II	3
ARC 690	History of Cities	3
ARC 691	Housing and the Contemporary City	3
ARC 699	Directed Research	3
RED 601	Introduction to Real Estate Development and Urbanism	3
RED 640	Applied Design for Real Estate Development	1
RED 699	Capstone: Real Estate Development and Urbanism Charrette	3
History of Architecture Elective		3
Professional Elective		3
Electives		13
Total Credit Hours		126

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

Code	Title	Credit Hours
ARC 601	Urban Design Studio I	6
ARC 603	Urban Design Studio III	6
ARC 607	Architecture Design and Theory IV	6
ARC 608	Architecture Design	6
ARC 610	Architecture Design Degree Project	6
ARC 615	Advanced Architectural Media	3
ARC 620	Responsible Architecture	3
ARC 621	Housing, Infrastructure and Transportation	3
ARC 622	Urban Design History and Theory	3
ARC 623	Urban Design Competition	1
ARC 652	Management of Professional Practice	3
ARC 690	History of Cities	3
ARC 699	Directed Research	3
RED 601	Introduction to Real Estate Development and Urbanism	3
RED 640	Applied Design for Real Estate Development	1
RED 699	Capstone: Real Estate Development and Urbanism Charrette	3
History of Architecture Elective		3
Electives		19
Total Credit Hours		81

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

		Credit Hours
Fall I		
ARC 604	Architecture Design and Theory I	6
ARC 611	Spatial Representation + Architectural Media 1	3
ARC 630	Building Technology I: Materials and Methods	3
ARC 667	History of Architecture I	3
Credit Hours		15
Spring I		
ARC 605	Architecture Design and Theory II	6
ARC 613	Spatial Representation + Architectural Media 2	3
ARC 631	Building Technology II: The Form of Forces	3
ARC 668	History of Architecture II	3
Credit Hours		15
Summer I		
ARC 606	Architectural Design and Theory III	6
ARC 691	Housing and the Contemporary City	3
Credit Hours		9
Fall II		
ARC 607	Architecture Design and Theory IV	6
ARC 620	Responsible Architecture	3
ARC 632	Building Structures I - Forces in Structural Elements	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	Architecture Design	6
ARC 633	Building Structures II - From Elements to Assemblies	3
ARC 663	Environmental Building Systems II	3
History of Architecture Elective		3

Professional Elective		3
	Credit Hours	18
Summer II		
Electives		10
	Credit Hours	10
Fall III		
ARC 601	Urban Design Studio I	6
ARC 621	Housing, Infrastructure and Transportation	3
ARC 690	History of Cities	3
ARC 699	Directed Research	3
RED 640	Applied Design for Real Estate Development	1
	Credit Hours	16
Spring III		
ARC 610	Architecture Design Degree Project	6
ARC 622	Urban Design History and Theory	3
ARC 623	Urban Design Competition	1
ARC 652	Management of Professional Practice	3
Elective		3
	Credit Hours	16
Summer III		
ARC 603	Urban Design Studio III	6
RED 699	Capstone: Real Estate Development and Urbanism Charrette	3
	Credit Hours	9
	Total Credit Hours	126

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

Fall I		Credit Hours
ARC 607	Architecture Design and Theory IV	6
ARC 615	Advanced Architectural Media	3
ARC 620	Responsible Architecture	3
RED 601	Introduction to Real Estate Development and Urbanism	3
RED 640	Applied Design for Real Estate Development	1
	Credit Hours	16
Spring I		
ARC 608	Architecture Design	6
ARC 622	Urban Design History and Theory	3
ARC 623	Urban Design Competition	1
History of Architecture Elective		3
	Credit Hours	13
Summer I		
Electives		9
	Credit Hours	9
Fall II		
ARC 601	Urban Design Studio I	6
ARC 621	Housing, Infrastructure and Transportation	3
ARC 690	History of Cities	3
ARC 699	Directed Research	3
Elective		1
	Credit Hours	16
Spring II		
ARC 610	Architecture Design Degree Project	6
ARC 652	Management of Professional Practice	3

Electives		6
	Credit Hours	15
Summer II		
ARC 603	Urban Design Studio III	6
RED 699	Capstone: Real Estate Development and Urbanism Charrette	3
Elective		3
	Credit Hours	12
	Total Credit Hours	81