

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

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## Overview

The dual Master of Architecture I and the Master of Real Estate Development and Urbanism is a 126 credit program. The dual Master of Architecture I AP and Master of Real Estate Development and Urbanism program 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.

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
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The **Master of Real Estate Development + Urbanism (MRED+U) program** is an immersive one-year interdisciplinary graduate program that combines coursework in real estate development, finance, market analysis, construction, architecture, urban design, law and entrepreneurship. The program draws on the strengths of the University of Miami's Schools of Architecture, Business, Engineering, and Law to create a world-class program 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 by a wide range of study tours, speaker series, the annual Real Estate Impact Conference, research initiatives and networking events. The prestigious MRED+U Advisory Board connects students with over 50 industry leaders who are directly engaged in the program as lecturers, mentors and advisors, providing internship and employment opportunities and access to dozens of cutting-edge projects from every real estate sector.

## 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 and courses in the Real Estate program 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. Resume
7. Optional Digital portfolio sent to email: [SoAgradadmissions@miami.edu](mailto: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.

In the **MARCH I/3 year track** it is **not** required to submit a portfolio but it offers candidates an opportunity to present their visual interests and artistic skills. The work may include, but is not limited to reproductions of drawings, paintings, ceramics, sculpture, woodwork, photographs, video work and models. Although drafting (CAD or hand-drawing) courses are not required for admission to the 3-year program, students who want to include such drawings, are encouraged to do so.

### **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:
  - Josef Silny & Associates, Inc., International Education Associates ([https://www.arc.miami.edu/\\_assets/pdf/universityofMIAMI-graduate.pdf](https://www.arc.miami.edu/_assets/pdf/universityofMIAMI-graduate.pdf)), ([www.jsilny.org](http://www.jsilny.org)) (<http://www.jsilny.org/>)
  - Educational Credential Evaluators, Inc. (<http://www.ece.org/>) ([www.ece.org](http://www.ece.org)) (<http://www.ece.org/>)
  - World Education Services (<http://www.wes.org/>) ([www.wes.org](http://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 courses in the Real Estate program 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. Resume
7. Digital portfolio sent to email: [SoAgradadmissions@miami.edu](mailto: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.

#### **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](https://www.arc.miami.edu/_assets/pdf/universityofMIAMI-graduate.pdf)), ([www.jsilny.org](http://www.jsilny.org) (<http://www.jsilny.org/>))
4. Educational Credential Evaluators, Inc. (<http://www.ece.org/>) ([www.ece.org](http://www.ece.org) (<http://www.ece.org/>))
5. World Education Services (<http://www.wes.org/>) ([www.wes.org](http://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](http://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 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 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 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 691	Housing and the Contemporary City	3
ARC 699	Directed Research	3
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
BSL 694	Real Estate Law	2
RED 660	Urban Redevelopment	3
RED 680	Entrepreneurship in Real Estate Development	3
RED 690	Case Studies in Real Estate Development	3
RED 699	Capstone: Real Estate Development and Urbanism Charrette	3
History of Architecture Elective		3
Professional Elective		3
Electives		14
<b>Total Credit Hours</b>		<b>126</b>

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

Code	Title	Credit Hours
ARC 607	Architecture Design and Theory IV	6
ARC 608	Architecture Design	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 652	Management of Professional Practice	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	3
RED 690	Case Studies in Real Estate Development	3
RED 699	Capstone: Real Estate Development and Urbanism Charrette	3
Electives		17
History of Architecture Elective		3
<b>Total Credit Hours</b>		<b>81</b>

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

Fall I		Credit Hours
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
<b>Credit Hours</b>		<b>15</b>

<b>Spring I</b>		
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
<b>Credit Hours</b>		<b>15</b>
<b>Summer I</b>		
ARC 606	Architectural Design and Theory III	6
ARC 691	Housing and the Contemporary City	3
<b>Credit Hours</b>		<b>9</b>
<b>Fall II</b>		
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
RED 610	Financing Urban Real Estate Development	3
Elective		1
<b>Credit Hours</b>		<b>16</b>
<b>Spring II</b>		
ARC 608	Architecture Design	6
ARC 633	Building Structures II - From Elements to Assemblies	3
ARC 663	Environmental Building Systems II	3
ARC 652	Management of Professional Practice	3
RED 612	Applied Real Estate Finance and Investments: I	2
<b>Credit Hours</b>		<b>17</b>
<b>Summer II</b>		
ARC 609	Architecture Design	6
Electives		6
<b>Credit Hours</b>		<b>12</b>
<b>Fall III</b>		
ARC 607	Architecture Design and Theory IV	6
ARC 699	Directed Research	3
RED 630	Real Estate Economics and Market Analysis	3
BSL 694	Real Estate Law	2
History of Architecture Elective		3
<b>Credit Hours</b>		<b>17</b>
<b>Spring III</b>		
ARC 610	Architecture Design Degree Project	6
RED 660	Urban Redevelopment	3
RED 680	Entrepreneurship in Real Estate Development	3
Professional Elective		3
<b>Credit Hours</b>		<b>15</b>
<b>Summer III</b>		
RED 690	Case Studies in Real Estate Development	3
RED 699	Capstone: Real Estate Development and Urbanism Charrette	3
Electives		4
<b>Credit Hours</b>		<b>10</b>
<b>Total Credit Hours</b>		<b>126</b>

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

		Credit Hours
<b>Fall I</b>		
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
		<b>Credit Hours</b>
		<b>16</b>
<b>Spring I</b>		
ARC 608	Architecture Design	6
ARC 622	Urban Design History and Theory	3
ARC 623	Urban Design Competition	1
History of Architecture Elective		3
		<b>Credit Hours</b>
		<b>13</b>
<b>Summer I</b>		
Electives		9
		<b>Credit Hours</b>
		<b>9</b>
<b>Fall II</b>		
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
		<b>Credit Hours</b>
		<b>16</b>
<b>Spring II</b>		
ARC 610	Architecture Design Degree Project	6
ARC 652	Management of Professional Practice	3
Electives		6
		<b>Credit Hours</b>
		<b>15</b>
<b>Summer II</b>		
ARC 603	Urban Design Studio III	6
RED 699	Capstone: Real Estate Development and Urbanism Charrette	3
Elective		3
		<b>Credit Hours</b>
		<b>12</b>
		<b>Total Credit Hours</b>
		<b>81</b>