

# 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.

### Master of Architecture I (3-year track)

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 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 the technologies that will define the future of the profession, with a deep commitment to learning from architecture's past and present. The following summer, students travel to U-SoA's studio facility on Via del Falco in Rome, with both airfare and lodging covered by the school. This 6-week experience balances design, history, theory, analysis and travel in and around the city.

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 Lab, Future Objects and the Center for Urban and Community Design.

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 two 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. 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.

## 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, Future Objects and the Center for Urban and Community Design.

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 two 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. 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.

## Master of Real Estate Development and 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.

## 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	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 I: Materials and Methods	3
ARC 631	Building Technology II: The Form of Forces	3
ARC 632	Structure Pt. I - The Form of Forces in Elements	3
ARC 633	Structure Pt. 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	3
ARC 668	Diverse Histories of Architecture 20C. + Beyond	3
ARC 691	Analysis and History of Urban Form	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	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 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	Immersive Architectural Design Studio I	6
ARC 611	Spatial Representation + Architectural Media 1	3

ARC 620	Responsible Architecture	3
ARC 630	Building Technology I: Materials and Methods	3
<b>Credit Hours</b>		<b>15</b>
<b>Spring I</b>		
ARC 605	Immersive Architectural Design Studio II	6
ARC 613	Spatial Representation + Architectural Media 2	3
ARC 631	Building Technology II: The Form of Forces	3
History of Architecture Elective		3
<b>Credit Hours</b>		<b>15</b>
<b>Summer I</b>		
ARC 606	Great Cities Design Studio	6
ARC 691	Analysis and History of Urban Form	3
<b>Credit Hours</b>		<b>9</b>
<b>Fall II</b>		
ARC 632	Structure Pt. I - The Form of Forces in Elements	3
ARC 662	Environmental Building Systems I	3
ARC 667	History of Architecture	3
RED 601	Introduction to Real Estate Development and Urbanism	3
RED 610	Financing Urban Real Estate Development	3
<b>Credit Hours</b>		<b>15</b>
<b>Spring II</b>		
ARC 608	Integrated Architecture Design Studio	6
ARC 633	Structure Pt. II - From Elements to Assemblies	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
<b>Credit Hours</b>		<b>18</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	Advanced Architectural Design Studio	6
ARC 652	Management of Professional Practice	3
ARC 699	Directed Research	3
RED 612	Applied Real Estate Finance and Investments: I	2
BSL 694	Real Estate Law	2
<b>Credit Hours</b>		<b>16</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		5
<b>Credit Hours</b>		<b>11</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	Advanced Architectural Design Studio	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	Integrated Architecture Design Studio	6
RED 612	Applied Real Estate Finance and Investments: I	2
RED 630	Real Estate Economics and Market Analysis	3
RED 660	Urban Redevelopment	3
Electives		2
<b>Credit Hours</b>		<b>16</b>
<b>Summer I</b>		
Electives		12
<b>Credit Hours</b>		<b>12</b>
<b>Fall II</b>		
ARC 609	Architecture Design	6
ARC 699	Directed Research	3
BSL 694	Real Estate Law	2
RED 670	Construction and Project Management	3
<b>Credit Hours</b>		<b>14</b>
<b>Spring II</b>		
ARC 610	Architecture Design Degree Project	6
ARC 652	Management of Professional Practice	3
RED 680	Entrepreneurship in Real Estate Development	3
History of Architecture Elective		3
<b>Credit Hours</b>		<b>15</b>
<b>Summer II</b>		
RED 690	Case Studies in Real Estate Development	3
RED 699	Capstone: Real Estate Development and Urbanism Charrette	3
<b>Credit Hours</b>		<b>6</b>
<b>Total Credit Hours</b>		<b>79</b>