# Program Description:

The Master of Architecture (M.Arch) is a studio-based, professional degree program, accredited by the National Architectural Accrediting Board (NAAB) to educate tomorrow’s leaders in architecture and related careers. It engages with the very forefront of disciplinary and transdisciplinary questions that locate architectural thinking and design ethics at the intersection of pressing issues of our time—Climate change and its impeding challenges of ecological thinking in the Anthropocene; Social justice and the need for intersectional politics to frame questions of equity and inclusion; and, Technology and the role of architecture in considering related careers. It is designed for individuals who hold a pre-professional baccalaureate degree in architecture, or a professional architecture degree from an international university, or the equivalent in professional experience. The curriculum aligns closely with the Pedagogies conversations at CMU SoA to offer courses in three simultaneous tracks: Fundamentals, Design Ethics and Research. A careful evaluation of previous coursework and professional experience for each student determines the minimum course requirements for each student to achieve professional standards by graduation (including NAAB Program and Student Criteria).

All M.Arch students must enroll into the M.Arch Canvas Portal at the time of registration and stay enrolled for the duration of the program.

## Program Requirements:

In addition to the standard requirements for all graduate students at CMU SoA, students in the M.Arch program must satisfy the following:

- **Residency:** A four semester full term residency requirement is mandated. Full term entails a minimum 36 units per semester. Coursework taken during the summer at CMU or at other institutions, must be used to satisfy program requirements, but not reduce residency.

- **Units:** Students must complete a minimum of 180 units minimum to graduate.

- **Opt-outs:** If previous course work meets standards of equivalency, students may apply to “Opt-out” of certain courses listed here. For all Opt-out related terms and procedures see M.Arch Canvas Portal. Opt-out Process. All course substitutions must be of professional nature and approved by the program Track Chair.

- **Course Selectives:** At least one Design Fundamentals, Design Ethics, and Design Research Selective must be taken for a minimum of 3 units each (totaling a minimum of 9 units in each track). Most Selectives are offered for 6-9 units. See offered Course Selectives here. Free electives can be taken anywhere at CMU with the approval of your advisor.

- **Thesis:** A one semester Thesis Studio is optional. All students considering Thesis are required to follow the Thesis Track and must enroll in the required suite of Pre-Thesis and Thesis Seminar courses in semesters 2 and 3.

- **Summer Internships:** All students are encouraged to seek architecture-related internships, jobs, or research opportunities during the summer. International students must register for the 48-695 Internship Course to qualify for Curricular Practical Training (CPT). Further details per M.Arch Canvas Portal Internship Career CPT.

## Class of 2022

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fall 1st Year</td>
<td>48 units required (45min-54max)</td>
<td></td>
</tr>
<tr>
<td>Spring 1st Year</td>
<td>48 units required (45min-57max)</td>
<td></td>
</tr>
<tr>
<td>Fall 2nd Year</td>
<td>33 units required (45min-57max)</td>
<td></td>
</tr>
<tr>
<td>Spring 2nd Year</td>
<td>30 units required (45min-57max)</td>
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</tbody>
</table>

### Fall 1st Year

- **STUDIO SEQUENCE (72)**
  - PRAXIS-1 STUDIO (18)
  - DESIGN SKILLS WORKSHOP (3) (Summer Online)
  - GENERATIVE MODELLING (9)
  - ENVIRONMENTAL SCIENCE-1 Climate & Energy (9)

- **COMPUTATION SEQUENCE (12)**
  - ARCHITECTURAL THEORY (6/9)
  - MODERN ARCHITECTURAL HISTORY (6/9)
  - ETHICS & DECISION MAKING IN ARCHITECTURE (6)

- **BUILDING TECH. SEQUENCE (36)**
  - ENVIRONMENTAL SCIENCE-2 Building Systems Integration (9)
  - STATICS & STRUCTURES (9)
  - RESEARCH METHODS (3)

- **HISTORY & THEORY SEQUENCE (18)**
  - ARCHITECTURAL THEORY (6/9)
  - MODERN ARCHITECTURAL HISTORY (6/9)
  - ETHICS & DECISION MAKING IN ARCHITECTURE (6)

- **RESEARCH METHODS (3)**
  - SITUATING RESEARCH (3)
  - PRE-THESIS (3) (Required for Thesis Track)

- **FREE ELECTIVES (15 units min.)**

- **REQUIRED FUNDAMENTALS/ ETHICS/ RESEARCH SELECTIVE (3+)**

### Spring 1st Year

- **STUDIO SEQUENCE (72)**
  - PRAXIS-2 STUDIO (18)
  - MATERIALITY & CONSTRUCTION SYSTEMS (9)
  - ENVIRONMENTAL SCIENCE-2 Building Systems Integration (9)
  - STATICS & STRUCTURES (9)
  - RESEARCH METHODS (3)
  - SITUATING RESEARCH (3)
  - PRE-THESIS (3) (Required for Thesis Track)

- **COMPUTATION SEQUENCE (12)**
  - ARCHITECTURAL THEORY (6/9)
  - MODERN ARCHITECTURAL HISTORY (6/9)
  - ETHICS & DECISION MAKING IN ARCHITECTURE (6)

- **BUILDING TECH. SEQUENCE (36)**
  - ENVIRONMENTAL SCIENCE-2 Building Systems Integration (9)
  - STATICS & STRUCTURES (9)
  - RESEARCH METHODS (3)

- **HISTORY & THEORY SEQUENCE (18)**
  - ARCHITECTURAL THEORY (6/9)
  - MODERN ARCHITECTURAL HISTORY (6/9)
  - ETHICS & DECISION MAKING IN ARCHITECTURE (6)

- **RESEARCH METHODS (3)**
  - SITUATING RESEARCH (3)
  - PRE-THESIS (3) (Required for Thesis Track)

- **FREE ELECTIVES (15 units min.)**

- **REQUIRED FUNDAMENTALS/ ETHICS/ RESEARCH SELECTIVE (3+)**

### Fall 2nd Year

- **STUDIO SEQUENCE (72)**
  - ADVANCED SYNTHESIS OPTION STUDIO (18)
  - ENVIRONMENTAL SCIENCE-2 Building Systems Integration (9)
  - STATICS & STRUCTURES (9)
  - RESEARCH METHODS (3)

- **COMPUTATION SEQUENCE (12)**
  - ARCHITECTURAL THEORY (6/9)
  - MODERN ARCHITECTURAL HISTORY (6/9)
  - ETHICS & DECISION MAKING IN ARCHITECTURE (6)

- **BUILDING TECH. SEQUENCE (36)**
  - ADVANCED SYNTHESIS OPTION STUDIO (18)
  - ENVIRONMENTAL SCIENCE-2 Building Systems Integration (9)
  - STATICS & STRUCTURES (9)
  - RESEARCH METHODS (3)

- **HISTORY & THEORY SEQUENCE (18)**
  - ARCHITECTURAL THEORY (6/9)
  - MODERN ARCHITECTURAL HISTORY (6/9)
  - ETHICS & DECISION MAKING IN ARCHITECTURE (6)

- **RESEARCH METHODS (3)**
  - SITUATING RESEARCH (3)
  - PRE-THESIS (3) (Required for Thesis Track)

- **FREE ELECTIVES (15 units min.)**

- **REQUIRED DESIGN ETHICS SELECTIVE (3+)**

### Spring 2nd Year

- **STUDIO SEQUENCE (72)**
  - M.ARCH THESIS STUDIO (Required in lieu of ASOS Studio) (18)
  - REAL ESTATE FOR ARCHITECTS (6)
  - ISSUES OF PRACTICE (6)

- **COMPUTATION SEQUENCE (12)**
  - ARCHITECTURAL THEORY (6/9)
  - MODERN ARCHITECTURAL HISTORY (6/9)
  - ETHICS & DECISION MAKING IN ARCHITECTURE (6)

- **BUILDING TECH. SEQUENCE (36)**
  - ENVIRONMENTAL SCIENCE-2 Building Systems Integration (9)
  - STATICS & STRUCTURES (9)
  - RESEARCH METHODS (3)

- **HISTORY & THEORY SEQUENCE (18)**
  - ARCHITECTURAL THEORY (6/9)
  - MODERN ARCHITECTURAL HISTORY (6/9)
  - ETHICS & DECISION MAKING IN ARCHITECTURE (6)

- **RESEARCH METHODS (3)**
  - SITUATING RESEARCH (3)
  - PRE-THESIS (3) (Required for Thesis Track)

- **FREE ELECTIVES (15 units min.)**

- **REQUIRED RESEARCH SELECTIVE (3+)**

- **ELECTIVES**

## Issued: 6/17/2022

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Carnegie Mellon University

Master of Architecture | Pre-professional Degree + 180 CMU units