

# 建築研究所碩士班

110 學年度

最低修業年限	一年
應修學分數	建築設計組 28 學分，並完成畢業設計論文(含書面創作理念報告)。 數位設計組 30 學分，並完成數位設計研究論文(實務設計或理論研究)。 學士後建築組 76 學分，並完成畢業設計論文(含書面創作理念報告)。
應修(應選)課程及符合畢業資格之修課相關規定(如無,則免填)	<p>建築設計組：                  含 2 門建築設計或專題設計(至少 1 門建築設計)、1 門設計研究方法、5 門選修課(至少 2 門專題研究)。                  -須參加國際性設計競賽/競圖，並獲得入圍以上名次。</p> <p>數位設計組：                  含 2 門數位類建築設計(依公告認定數位屬性)、2 門設計研究方法、5 門選修課(至少 4 門數位類選修課)。                  -須參加國際性研討會或設計競賽/競圖，並獲得入圍以上名次。                  -畢業研究須每學期提出進度報告，並經本組教師審查通過。</p> <p>學士後建築組：                  含 7 門建築設計、6 門選修課、6 門核心課程。                  -應補修建築師考試資格要求之最低學分與課程，並經所務會議審查通過後始可畢業。                  -修習 7 門建築設計完畢於第七學期須擇一修習：獨立研究或出國交換，且成績/成果經指導教授審查通過後始可畢業。                  -須參加國際性設計競賽/競圖，並獲得入圍以上名次。</p> <p>必修與核心課程總表</p> <p>一、建築設計組                  必修課程：2 門建築設計或專題設計(至少 1 門建築設計)                                    選修課—需選讀 5 門(至少 2 門專題研究)                  必選課程：設計研究方法學 1 門</p> <p>二、數位設計組                  必修課程：數位類建築設計 2 門                                    選修課—需選讀 5 門(數位類選修課至少 4 門)                  必選課程：設計研究方法學 2 門</p> <p>數位類選修課(下列課程中至少 4 門)：                  新媒材基礎、設計思考、設計運算、衍生式設計與構築、編織參數曲面、混合實境、資訊建築、互動建築、人機互動技術、數位設計(建築)專題、數位設計(建築)講座、智慧生活專題、創新設計專題…等數位組開設課程。</p> <p>三、學士後建築組                  必修課程： 建築設計(基礎)                                    建築設計(一)                                    建築設計(二)                                    建築設計(三)                                    建築設計(四)                                    以上課程需依序修習                                    不同學期之「建築設計」2 門                  選修課—需選讀 6 門                  核心課程：下列課程中至少六門：                  建築法規、營建法規、都市設計法規、都市計畫法規、建築結構學及實習、結構行為、建築結構系統、建築構造、建築計畫、結構學、建築結構與造型、鋼筋混凝土、鋼骨鋼筋混凝土、鋼骨構造、結構特論、應用力學、材料力學、建築物理、建築設備、建築物理環境、建築環境控制系統、高層建築設備、建築工法、施工估價、建築材料、都市計畫、都市設計、敷地計畫、環境景觀設計、社區規劃與設計、都市交通、區域</p>

## Graduate Institute of Architecture

### Academic Year 2021

Minimum Academic Term	One year
Required Completion Credit Points	<p><b>MArch II:</b> Completion of a minimum of 28 credit points and Graduation Design Thesis (including a written report which documents its design development.)</p> <p><b>MS:</b> Completion of a minimum of 30 credits points and Digital Architecture Thesis Design (Design Realization or Theoretical Research.)</p> <p><b>March I:</b> Completion of a minimum of 76 credit points and Thesis Design (including a written report which documents its design development.)</p>
Required (Elective) Courses and Related Degree Accreditation Requirements (Leave blank if non-applicable)	<p><b>MArch II:</b>                  Required courses: 2 courses of Architecture Studio or Design Thesis (at least 1 Architecture Studio), 1 course of Design Methodology, 5 courses of Design Thesis (at least 2 Independent Study).                  ● Must participate in international design competitions and get nominated.</p> <p><b>MS:</b>                  Required courses: 2 courses of Digital Architecture Studio (Identify digital attributes according to the announcement), 2 courses of Design Methodology and 5 courses of Design Thesis (at least 4 topics on Digital Design).                  ● Must participate in international design competitions and get nominated.                  ● The graduation studies are required to submit progress reports every semester and need to be reviewed and approved by the teachers of this group.</p> <p><b>March I:</b> Required courses: 7 courses of Architectural Studio, 6 courses of Design Methodology and 6 courses of Core Programs.                  ● Minimum credits and courses must be completed to meet the eligibility for the National Architect Registration Examinations. Upon the approval of the Institute Council, an award of degree may then be granted.                  ● Students are required to do independent studies or exchange abroad after completing 6 courses of Architecture Studio, and may then graduate if the final results/products are approved by the advisor.                  ● Must participate in international design competitions and get nominated.</p> <p style="text-align: center;">Curriculum Table for Required and Core Courses</p> <p><b>Master of Architecture II (MARCH II)</b>                  ● Required Courses: 2 courses of Architectue Studio or Design Thesis (at least 1 Architecture Studio), 5 courses of Design Thesis (at least 2 Independent Study).                  ● Required Electives: 1 courses of Design Methodology</p> <p><b>Master of Science in Architecture (MS)</b>                  ● Required Courses: 2 courses of Digital Architecture Studio                  5 courses of Design Thesis (at least 4 topics on Digital Design)                  ● Required Electives: 2 courses of Design Methodology                  ● Core Digital Design Programs (students are required to fulfill at least 4 of the</p>

following courses): Fundamentals for New Media, Design Thinking, Arithmetic Design, Generative Design and Digital Fabrication, Development of Parametric Curves and Surfaces, Mixed Reality, Information Architecture, Interactive Architecture, Human Computer Interaction, Digital Design (Architecture) Specialized Topics, Digital Design (Architecture) Lecture Series, , Smart Living Specialized Topics, Innovation Design Specialized Topics

Master of Architecture I (MARCH I)

- Required Courses:  
 Architectural Studio (Basic/I / II / III / IV)  
 The above courses need practicing in sequence  
 2 courses of Architectural Studio from different semesters  
 6 courses of Design Thesis

Core Programs (students are required to fulfill at least 6 of the following courses):

- Architecture Code, Building Code, Urban Design Code, Urban Planning Code, Theory of Structures and the Practice, Structural Behavior, Structural Systems in Architecture, Building Construction, Building Planning, Theory of Structures, Structures and Modeling in Architecture, Reinforced Concrete, Steel Reinforced Concrete, Steel Structure, Special Topic in Structures, Applied Mechanics, Mechanics of Materials, Physical Factors in Architecture, Building Equipment, Architectural and Environmental Physics, Environment Control Systems, High-rise Building Equipment, Construction Method, Construction Cost Estimation, Building Materials, Urban Planning, Urban Design, Site Planning, Landscape Design, Community Planning and Design, Urban Traffic, Regional Planning, Social Planning of Substantial Environment, Urban Development and Pattern, Theory of Urban Environment, Urban Sociology, Chinese and Foreign History of Architecture, Architectural Theory, and so forth as approved by the Institute.

Notes

No affiliated institute will be established in the short term.