

# M.Arch in Sustainable and Digital Innovation

## Program Introduction

Master of Architecture in Sustainable and Digital Innovation (MASDI) is a post professional degree mainly taught in English. It is an intensive (1-2 year) program focusing on cross-disciplinary study in environmental and sustainable design through advanced digital technology. It aims to cultivate forward-looking, creative and know-how in design professionals in Architecture. Our outstanding teaching faculties specialize in the pioneering areas such as architectural bionics, circular economy, generative and high performative design. Applicants should already obtained or expected to graduate with any of the following first degree: architecture, urban design, landscape architecture, urban planning, space and interior design, the other related degree such as design, humanities, science and engineering.

## Criteria of graduation you should know to obtain your degree

<https://aca.thu.edu.tw/web/research/list.php?cid=8>

1. THU Academic Regulations 東海大學學則
2. THU Regulations Regarding Graduate Degree Examination 東海大學研究生學位考試規則
3. THU Regulations Governing Violations of Academic Ethics in Degree Theses/Dissertations or not Matching Field of Study 東海大學學生學位論文違反學術倫理或未符學系專業案件處理辦法
4. THU Degree Conferment Regulations 東海大學學位授予辦法
5. Tunghai University Student Examinations Rules 東海大學學生考試規則
6. Implementation Directions for Education on Academic Ethics Course at Tunghai University 東海大學學術倫理教育課程實施要點
7. 畢業條件 The key points of the students are eligible to apply the Degree Examination are summarized as follows:

(1.)所有畢業學分在提出畢業考的當學期修足。

All courses and credits required for the M.A. degree;

(2.) 完成 6 個小時的學術倫理課程。

Complete 6 hours of academic ethics courses;

Please see the website: <https://arch.thu.edu.tw/program/2/#section-40>

(3.) 完成兩次以上（含兩次）與跨領域設計或建築或都市設計相關之國際競圖或國際工作坊，並經指導老師簽章同意方可申請學位考試。

Finish at least two the international design competition or workshop on cross-disciplinary design, architectural design or urban design, signed and approved by your advisor to apply the Degree Examination.

(4.) 學術論文(包括代替學位論文的的作品、成果證明以及書面報告、技術報告或專業實踐報告)通過論文比對系統，相似度低於 20%

Comparison of Originality of Thesis (including works in lieu of the thesis, proof of achievement together with written reports, technical reports, or professional practice reports), similarity comparison less than 20%.

Check similarity with Turnitin ([for English version website](#)).

建築系碩士班永續與數位創新組課表 M.Arch in Sustainable and Digital Innovation curriculum

|  | 科目名稱 Course Title                            | 學分數<br>Credit                                      | 一學年 1st Year |            |
|--|--|--|--------------|------------|
|  |  |  | 上學期 Fall     | 下學期 Spring |
| 必修課<br>Required Courses  | 都市創新設計<br>Experimental Urban Design Studio   | 6  | 6            |            |
|  | 專題研究<br>Directed Research                    | 2  | 2            |            |
|  | 建築創新設計<br>Innovative Architectural Design    | 6  |              | 6          |
|  | 創意設計發表<br>Innovative Design and Exhibition   | 2  |              | 2          |
|  | 設計論文<br>Seminar on Thesis Design             | 3  |              | 3          |
|  | <b>必修學分數 Credits of Required Courses (A)</b> | <b>19</b>  |              |            |
|  | 選修課程<br>Elective Courses                     | *未來城市<br>Advanced Design Research On Future Cities | 3            | 3          |
| 數位構築與材料創新<br>Digital Fabrication and Material Innovation   |  | 3  |              | 3          |
| 人類世的問題與都市設計方法<br>Problems of Anthropocene and Urban Design Methods   |  | 3  |              | 3          |
| 仿生學與設計<br>Advanced Design Module - Biomimicry and Design   |  |  |              | 3          |
| 參數化之演效式建築設計<br>Parametric Design and for Performative Architecture   |  | 2  | 2            |            |
| 建築設計哲學 (are taught in Chinese)<br>The Philosophy of Architectural Design   |  | 2  | 2            |            |
| 聚落與建構<br>Settlement, Tectonics and Construction  |  | 3  |              | 3          |
| <b>選修學分數 Credits of Elective Courses (B)</b><br>*表示必選：* have to study and pass   | <b>8</b>                                     |  |              |            |
| <b>畢業學分數 Total credits for graduation (A+B)</b>  |  | <b>27</b>  |              |            |
| <p><b>畢業條件 The key points of the students are eligible to apply the Degree Examination are summarized as follows:</b></p> <p>1 所有畢業學分在提出畢業考的當學期修足。<br/>all courses and credits required for the M.A. degree;</p> <p>2. 完成6 個小時的學術倫理課程。<br/>Complete 6 hours of academic ethics education courses;</p> <p>3. 完成兩次以上 (含兩次) 與跨領域設計或建築或都市設計相關之國際競圖或國際工作坊，並經指導老師簽章同意方可申請學位考試。<br/>Finish at least two the international design competition or workshop on cross-disciplinary design, architectural design or urban design, signed and approved by your advisor to apply the Degree Examination.</p> <p>4. 學術論文(包括代替學位論文的的作品、成果證明以及書面報告、技術報告或專業實踐報告)通過</p> |  |  |              |            |

論文比對系統，相似度低於 20%

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[Please refer to the detail on the other pages](#)

## Academic Ethics Education Courses

One of the eligibility requirements for the Degree Examination is the completion of 6 hours of academic ethics education courses.

Please log in to the **AREE website** to confirm the personal Information and complete the required courses:

# the AREE website <https://ethics.moe.edu.tw/>

### # Login Instructions:

- **Status:** Please select “Mandatory Students.”
- **Location & School:** Select “Taichung City” and “Tunghai University.”
- **Account:** Your Student ID number.
- **Password:** The last 5 digits of your Student ID.

# Example:

account : G12730307

password (The last 5 digits of the student ID) : 30307

# Helpful Resources:

how to log in to AREE:

<https://ethics-s.moe.edu.tw/newuser/2/>

Courses for Graduate Students :

[https://ethics.moe.edu.tw/courses\\_postgraduate/](https://ethics.moe.edu.tw/courses_postgraduate/)

**Please ensure these courses are completed before you apply for your degree examination.**