**元智大學　化學工程與材料科學學系碩士在職專班 必選修科目表**

**（112學年度入學新生適用）**

**List of Elective Courses for the Master Program ( part time )**

**Department of Chemical Engineering and Materials Science, Yuan Ze University**

**(Applicable to Students Admitted in Academic Year of 2023)**

112.04.19一一一學年度第六次教務會議通過

 Passed by the 5th Academic Affairs Meeting, Academic Year 2022, on April 19, 2023

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| 類別/組別Group | 課號Course Code | 中文課名Course Title | 英文課名Course Title | 學分數Credits |
| 必修科目Required Course | CH606 | 論文 | Thesis | 6 |
| 核心科目Core course | CH570  | 科技論文寫作 | Technical Writing | 3 |
| 選修Elective Courses | CH511 | 實驗設計 | Design for Experimental | 3 |
| CH526 | 高等儀器分析(二) | Advanced Instrumental Analysis | 3 |
| CH568 | 無機奈米材料 | Inorganic Nanomaterials | 3 |
| CH573 | 環工程序化學 | Environmental Process Chemistry | 3 |
| CH586 | 環境生物技術 | Environmental Biotechnology | 3 |
| CH577 | 化學蒸鍍技術 | Chemical Vapor Deposition | 3 |
| CH589 | 有機半導體材料特論 | Special Topics on Organic Semiconductor Materials | 3 |
| CH537 | 光電材料特論 | Special Topics on Optoelectronic Materials | 3 |
| 備註Remarks | 1. 在職專班：最低畢業計 **30** 學分。除論文**6**學分外，至少應修**24**學分，其中本系(不含大學部)課程不得少於**21**學分。**以技術報告(3學分)取代學術論文者，須加修一門本系3學分課程，並於碩士論文初審前提出申請。**Students in part-time master program are required to complete a total of **30** credits.  These include **6** credits for the thesis and **24** credits for courses, of which at least **21** credits should be taken from the department. **Professional Practice Report (3 credits) can take one additional three-credit courses in lieu of Master's Thesis (6 credits). The application should be submitted before the preliminary review of the master's thesis.**
2. 入學研究生須依本校學術研究倫理教育課程實施要點規定，於入學第一學期結束前完成學術研究倫理教育課程，最遲須於申請學位口試前補修完成，未完成本課程，不得申請學位口試。」For those graduate students who shall complete Academic Research Ethics Education Course before the end of their first academic semester, they must follow the regulations of Yuan Ze University Academic Research Ethics Education Course Implementation Highlights. The latest deadline for them shall be their course completions and then their applications towards the degree's oral exam.
3. **在職專班研究生之畢業論文若經指導教授同意，得以技術報告取代學術論文。依學校相關作業時程及本系「在職專班以技術報告代替碩士學位論文認定基準」辦理。For part-time master program, with the approval of Advisor, Professional Practice Report (3 credits) can be substituted for Master's Thesis (6 credits). According to 「Yuan Ze University Regulations for Master and Doctoral Degree Qualifying Examination」, degree's oral exam is also required. Please refer to 「Regulations of Professional Practice Report substitute Thesis for part-time Master Program」.**
4. 欲跨學制修課之學生，須填寫「元智大學課程跨學制申請表」，跨學制修課之學分數准予納入畢業學分，至多6學分。Students who would like to apply for Cross-System Courses need to fill in the "Application for Cross-System Courses" form. Credits taken across academic systems are allowed to be counted as graduation credits, up to a maximum of 6 credits.
5. 其他未盡事宜，請參閱本系「碩士班修讀辦法」。Students should refer to the "Regulations for Master's Students" in the department for additional information.
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[AA-CP-04-CF04](http://www.yzu.edu.tw/admin/so/files/%E5%85%A7%E6%8E%A7%E6%96%87%E4%BB%B6/AA/AA-CP-04/AA-CP-04-CF04.pdf) (1.2 版)／101.11.15修訂