

國立臺灣科技大學產學創新學院智慧製造科技研究所碩士班修業規章

Master's Program Academic Regulations of the Graduate Institute of Intelligent Manufacturing Technology, College of Industry-Academia Innovation, National Taiwan University of Science and Technology.

113 年 7 月 15 日第 18 次所務會議修正通過

Amended in the 18th Institute Affairs Meeting, July 15, 2024

完整修訂紀錄置於法規後

Complete Revision History was moved to the end of the regulations

第一條、入學資格

- 一、依據本校碩士班甄試及入學考試合格錄取者。
- 二、本校研究所碩士班學生修業滿一學期以上，經原系所同意後，再經本所所長邀請相關領域教師討論，決定是否准予轉入。
- 三、其他入學資格將依國家重點領域產學合作及人才培育創新條例、大學法、主管機關及本校相關規定辦理。

Article 1: Admission Qualifications

1. Those who have been admitted to the Master's program through the university's entrance exams or other selection processes.
2. Students who have completed at least one semester in a Master's program at this university may apply for a transfer with the approval of their original department. The department head will invite relevant faculty to discuss and decide whether to approve the transfer.
3. Other admission qualifications will be handled according to Innovation Act for Industry-Academia Collaboration and Talent Cultivation in National Key Fields, University Act, the competent authorities, and the relevant regulations of this university.

第二條、修業年限

本所碩士班研究生修業期限以 1 至 4 年為限。

Article 2: Duration of Studies

The duration for Master's students in this department is limited to 1 to 4 years.

第三條、課程學分規定

- 一、本所碩士班研究生於畢業前至少須修滿專業課程 24 學分，其中須包含本所必修智慧製造導論，及至少修習本所三類領域(工業數據科學、智慧製造與營運、機器人工程與自動化技術)各 1 門課程及學院必修產學創新大師講座課程；修業期間應至少通過論文研討課程 1 學期，並完成碩士論文；修習論文研討、專題討論及企業實習等三類課程不計入專業課程之 24 學分中。

二、學術研究倫理課程為必修教育課程，但不計入專業學分，課程教學方式及成績評定依本校規定辦理。

(1) 相關規定與資訊請至本校「學術研究倫理課程報名」系統查詢

<https://ae.cge.ntust.edu.tw/>

(2) 本課程成績未達及格標準之學生，不得申請學位考試。

三、依本校第 151 次教務會議決議，自 98 學年度入學之博士生及碩士班一般生(不含外籍生與在職專班生)均應必修英文 4 學分。若學生持有入學前兩年內或入學後通過之全民英檢中級複試或相同等級之其他英語測試成績證明、擁有英語系國家學位獲得結業証書者，或選修通過大學部中階(含)以上模組課程 4 學分亦可抵免必修英文 4 學分。

Article 3: Credit Requirements for Courses

1. Master's degree students in this program must complete at least 24 credits of professional courses before graduation, including the required course "Introduction to Intelligent Manufacturing" and at least one course from each of the three specialized field (Industrial Data Science, Intelligent Manufacturing and Operations, Robotics Engineering and Automation Technology), as well as the mandatory "Special Topics on Industry-Academy Innovation" course. During their studies, students must also pass at least one semester of the thesis seminar course and complete their master's thesis. Courses such as the thesis seminar, special topic discussions, and industry internships do not count towards the 24 credits of professional courses.
2. The Academic Research Ethics course is a required educational course, but it does not count towards professional credits. The course teaching methods and grading will follow the university's regulations.
 - (1) For relevant regulations and information, please visit the university's Academic Research Ethics Course Registration system: <https://ae.cge.ntust.edu.tw/>
 - (2) Students who fail to meet the passing standards for this course may not apply for the degree examination.
3. **(Local Students Only)** According to the resolution of the 151st Academic Affairs Meeting, starting from the 98th academic year, doctoral students and regular master's degree students (excluding international students and in-service program students) must complete 4 credits in English. Master's degree students in this department who write their thesis in English may be exempted from the 4 required English credits. If a student passes the intermediate-level re-examination of the General English Proficiency Test (GEPT) or a similarly ranked English proficiency test, or holds a degree from an English-speaking country, they may also be exempted from the 4 required English credits.

第四條、學分抵免

- 一、重考、重新申請入學或依照法令規定先修讀學分後考取修讀學分之研究生得申請抵免，抵免學分數以應修畢業學分數 1/2 為限(論文研討不得抵免)。
- 二、本所學分抵免方式，悉依本校「學生抵免學分辦法」辦理；研究生入學前所修之與本所相關領域課程學分，且不計入其前一級學位畢業學分始得申請，申請時請繳交

各科成績單及課程內容說明。

三、申請抵免科目限五年內(含)所修且成績達 70 分(等第制 B-)以上。

Article 4: Credit Exemption (Local Students Only)

1. Students who retake exams, reapply for admission, or, according to legal regulations, complete prerequisite courses before earning their required credits may apply for credit exemption. The number of credits that can be exempted is limited to half of the required graduation credits (thesis seminars cannot be exempted).
2. The credit exemption method for this department follows the university's Student Credit Exemption Regulations. Graduate students may apply for exemption for credits earned in courses related to this department's fields before enrollment, provided that these credits were not counted towards their previous degree. When applying, students must submit transcripts and course syllabi.
3. Applications for credit exemption are limited to courses taken within the past five years (inclusive), and the grades must be 70 or higher (B- or above on a grading scale).

第五條、論文指導規定

- 一、碩士班研究生在新生辦理報到後，應於本所規定時間內確定指導教授，繳交「碩士班學生指導教授同意函」。論文指導教授以選擇本所專任(或合聘)教授、副教授、助理教授為原則。指導教授可敦聘校外產業界專家擔任共同指導教授，該人士須具現任之大學專任助理教授以上之資格或為本所兼任教授、副教授、助理教授資格。教師與研究生具有配偶、三親等內之血親或姻親，或曾有上述關係者，不得擔任其論文指導與共同指導教授。
- 二、本所碩士班學生欲選外系所或外校老師為共同指導教授時，須經指導教授與所長同意。
- 三、本所碩士班學生無法覓得指導教授或指導教授因生病、離職、出國或其他因素無法再繼續指導時，本所將提供必要之協助。
- 四、本所碩士班學生如擬中止論文指導關係或更換指導教授，應以書面通知本所及原指導教授及完成各項交接事務且完成簽署新指導教授同意函流程後始得生效。
- 五、指導教授欲終止指導關係，應以書面文件向本所提出申請，審查結果由本所通知碩士班學生。終止指導關係後，本所得協助該生另覓指導教授。
- 六、簽訂更換指導教授同意函之日期至口試日期計算須相隔半年以上，若有未符合規定欲申請畢業者，須經所長邀請相關領域教師討論審議核可。
- 七、碩士班學生由指導教授提供原始構想或概念及受指導下所獲得之研究成果，須請指導教授同意，始得公開發表或作為學位論文使用。

Article 5: Thesis Supervision Regulations

1. After the enrollment of new graduate students, they must confirm their thesis advisor within the time specified by the department and submit the Master's Student Thesis Advisor Consent Form. The thesis advisor should, as a principle, be a full-time (or jointly appointed) professor, associate professor, or assistant professor from this department. The thesis advisor may invite an external industry expert to serve as a co-advisor, provided

that the individual holds the qualification of a full-time assistant professor or higher at a university, or is a part-time professor, associate professor, or assistant professor in this department. A faculty member cannot serve as a thesis advisor or co-advisor if they are the spouse, a blood relative within three degrees of kinship, or a relative by marriage, or if they have previously had such relationships with the student.

2. If a master's student from this department wishes to select an advisor from another department or university as a co-advisor, the approval of both the thesis advisor and the department chair is required.
3. If a master's student in this department is unable to find a thesis advisor, or if the advisor is unable to continue supervising due to illness, resignation, relocation, or other reasons, the department will provide necessary assistance.
4. If a master's student in this department wishes to terminate the thesis advising relationship or change their thesis advisor, they must notify the department and the original advisor in writing. After completing all necessary handover procedures and signing the new advisor consent form, the change will take effect.
5. If a thesis advisor wishes to terminate the advising relationship, they must submit a written application to the department. The department will notify the student of the review results. After the advising relationship is terminated, the department will assist the student in finding a new advisor.
6. The date of signing the new advisor consent form must be at least six months before the oral defense date. If a student wishes to graduate before meeting this requirement, approval must be obtained through a discussion and review by the department chair and faculty members from the relevant field.
7. For research ideas or concepts originating from the thesis advisor, as well as research results obtained under their supervision, the student must obtain the advisor's consent before publicly presenting or using them as part of their thesis.

第六條、碩士學位考試規定

- 一、碩士班學生通過本所碩士學位所須之修課規定與學分，並於預計學位考試前一學期之學位考試截止日前將論文題目及研究目的送交本所審查是否與本所專業領域相符，經審核通過者，提出論文，始得申請碩士學位考試。經碩士學位考試委員會考試通過且繳交紙本論文者，由本校授予碩士學位。
- 二、學位考試含論文考試及論文審查。
- 三、舉行學位考試之學生應完成「論文原創性比對」，供學位考試委員參考。
- 四、碩士學位論文(含摘要)需以英文撰寫，並須符合本校學位論文編排規範，學位考試通過後應將論文摘要及全文電子檔上網建檔。
- 五、學位考試成績不及格，其修業年限尚未屆滿者，得於次學期或次學年重考，重考以一次為限；重考成績仍不及格者，應令退學。
- 六、碩士班學生提出之學位論文有違反學術倫理情事時，根據本校相關規定辦理。

Article 6: Master's Degree Examination Regulations

1. Master's students must meet the course and credit requirements for the degree as specified

by the department. Before the deadline for the degree examination in the semester prior to their expected graduation, students must submit their thesis topic and research objectives for review by the department to ensure alignment with the department's professional field. If the review is passed, the student may submit their thesis and apply for the master's degree examination. After passing the examination by the Master's Degree Examination Committee and submitting a physical copy of the thesis, the student will be awarded the master's degree by the university.

2. The degree examination consists of a thesis examination and a thesis review.
3. Students taking the degree examination must complete an Originality Check for their thesis, which will be provided to the examination committee for reference.
4. The master's degree thesis (including the abstract) should be written in English as a principle, and must comply with the university's thesis formatting guidelines. After passing the degree examination, the thesis abstract and full text must be uploaded to the university's digital repository.
5. If a student fails the degree examination and has not yet reached the maximum study duration, they may retake the examination in the following semester or academic year, with a limit of one retake. If the student still fails the retake, they will be required to withdraw from the program.
6. If a master's student's thesis is found to violate academic ethics, the situation will be handled according to the university's relevant regulations.

第七條、碩士學位考試委員資格規定

- 一、碩士班學生之碩士學位考試委員會置委員三至五人，並具備下列資格之一者組成；學生之配偶、前配偶或三親等內之血親、姻親，不得擔任其碩士學位考試委員。
- 二、現任或曾任教授、副教授、助理教授。
- 三、擔任中央研究院院士、現任或曾任中央研究院研究員、副研究員、助研究員。
- 四、獲有博士學位，在學術上著有成就者，或在專業實務或技能上著有成就者。
- 五、研究領域屬於稀少性、特殊性學科或屬專業實務，且在學術上或專業上著有成就者。
- 六、前項第三款、第四款資格之認定基準，由本所訂定之。

Article 7: Qualifications for Master's Degree Examination Committee Members

1. The Master's Degree Examination Committee for a graduate student consists of 3 to 5 members, who must meet at least one of the following qualifications. The student's spouse, former spouse, or blood relatives and relatives by marriage within three degrees of kinship are not allowed to serve as members of the committee.
2. Current or former professors, associate professors, or assistant professors.
3. Members of Academia Sinica, or current or former researchers, associate researchers, or assistant researchers at Academia Sinica.
4. Individuals with a doctoral degree who have made academic achievements, or those who have achieved success in professional practice or skills.
5. Individuals whose research field is rare or specialized, or pertains to professional practice,

and who have achieved success academically or professionally.

6. The criteria for determining qualifications under items 3 and 4 above will be established by the department.

第八條、畢業與離校

- 一、至本校圖書館之博碩士學位論文數位全文系統，上傳論文全文，等待圖書館審核論文後方可下載論文授權書兩式。
- 二、至本校「學生資訊系統」登入填寫「畢業生離校手續單」及「應屆畢業生流向問卷調查」後下載並列印紙本離校手續單，持紙本離校手續單依指示跑離校流程。
 - (1) 本所辦公室：繳交平裝本論文兩本
 - (2) 本校圖書館：繳交平裝本論文一本、論文授權書兩式

Article 8: Graduation and Departure from School

1. Upload the full text of the thesis to the university's library digital thesis system and wait for the library's review before downloading two copies of the thesis authorization form.
2. Log into the university's "Student Information System" to complete the "Graduating Student Departure Procedure Form" and the "Graduate Student Career Survey." Afterward, download and print the paper version of the departure procedure form and follow the instructions to complete the departure process.
 - (1) Department Office: Submit two bound copies of the thesis.
 - (2) University Library: Submit one bound copy of the thesis and two copies of the thesis authorization form.

第九條、本規章未盡事宜，依本校相關規定辦理。

Article 9: For matters not covered in these regulations, refer to the relevant university policies.

第十條、本規章由本所所務會議訂定實施，修正時亦同。

Article 10: These regulations are established and implemented by the Institute Affairs Meeting, with the same procedure applied to any amendments.

規章修訂紀錄 Complete Revision History：

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112 年 3 月 8 日第 6 次所務會議修正通過

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112 年 4 月 12 日第 7 次所務會議修正通過

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113 年 7 月 15 日第 18 次所務會議修正通過

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