國立成功大學智慧半導體及永續製造學院晶片設計碩士學位學程修業辦法

Academic Regulations for the Master's Degree Program on Integrated Circuit Design Under the NCKU Academy of Innovative Semiconductor and Sustainable Manufacturing

111 年 3 月 10 日 111 年度第 2 次管理委員會通過
Approved at the 2nd meeting of the Management Committee on March 10, 2022
111 年 4 月 28 日 111 年度第 3 次管理委員會通過
Approved at the 3rd meeting of the Management Committee on April 28, 2022
111 年 5 月 17 日 111 年度第 3 次監督委員會備查
Ratified at the 3rd meeting of the Supervisory Committee on May 17, 2022
112 年 3 月 15 日 112 學年度第 1 次管理委員會修正通過
Revised at the 1st meeting of the Management Committee in the 2023-24 academic year on March 15, 2023
112 年 5 月 26 日 112 度第 1 次監督會備查
Ratified at the 1st meeting of the Supervisory Committee on May 26, 2023

第一條 國立成功大學(以下簡稱本校)智慧半導體及永續製造學院(以下簡稱本學院)晶片設計學位學程(以下簡稱本學程)為明確規範碩士班研究生修課事宜,依據國家重點領域產學合作及人才培育創新條例第 23 條，訂定本辦法。

Article 1 These Regulations are established by the Program on Integrated Circuit Design (hereafter the Program) under the Academy of Innovative Semiconductor and Sustainable Manufacturing (hereafter the Academy) of National Cheng Kung University (NCKU) to regulate the academic requirements for its master's degree in accordance with Article 23 of National Key Fields Industry-University Cooperation and Skilled Personnel Training.

第二條 修業年限：一至四年。

Article 2 Duration of Study: a minimum of one year and a maximum of four years.

第三條 本學程碩士班研究生(以下簡稱碩士生)於畢業前必須修滿課程至少 24 學分，其中必選修本學院核心課程至少 6 學分、選修課程至少 18 學分。論文 6 學分另計。

專題討論為必修課程，不計學分。畢業前應修滿四學期之專題討論，如有提早畢業者，須修足在學之專題討論學期次數。

本學院兩大核心課程主軸分為智能相關與永續相關課程，各核心主軸應至少修得 3 學分，碩士生需於畢業前修得至少 6 學分。

本學程碩士生修得本學程專業選修課程與核心課程的學分數應達畢業學分數之二分之一。修習本學程專業選修課程以外之學分，須於選課前經指導教授同意及本學程主任核准，方得承認為畢業學分。

若本學程有開授課程，須以本學程課程為優先選修。

碩士生各科目學期成績及學位考試成績均以一百分為滿分，七十分為及格；未達七十分者不給學分。必修科目不及格者，不得補考，應令重修。操行成績以六

十分為及格。

碩士生申請學分抵免依本學院研究生抵免學分規定辦理。

Article 3 Master's degree program students of the Program (hereafter master's students) are required to complete a minimum of 24 course credits for graduation, including a minimum of 6 credits in Academy-designated required core courses and a minimum of 18 credits in elective courses. The minimum credit requirements for graduation exclude the 6 credits designed for the dissertation.

Master's students shall enroll in the Program-required 0-credit Specific-Topic Seminar Course every semester for four semesters during years of study. Those who intend to apply for early graduation shall have enrolled in the course every semester during years of study.

The Program designates Artificial Intelligence and Sustainability as the two core competence curriculum categories. Master's students must complete a minimum of 6 credits of the core courses before graduation, with a minimum of 3 credits from each category.

The credits for elective courses and core courses designated by the Program curriculum, completed by master's students, should comprise 1/2 of the minimum credits for graduation. With the prior consent of the thesis advisor and Program director, master's students are allowed to complete credits on elective courses offered by other programs at NCKU and count them as part of the minimum credit requirements for graduation.

Master's students should complete the elective courses designated by the Program on a priority basis.

Master's students are evaluated on a scale of 0 to 100 points for academic performance on course grades and degree examinations, with 100 as the highest grade and 70 as the lowest passing grade. Those who fail to receive a grade of 70 or above for a course will not be given credits. Those who fail to get a passing grade for a required course are not allowed a repeat exam and should retake the course. Master's students are evaluated on a scale of 0 to 100 points for ethical conduct, with 60 as the lowest passing grade.

Applications for credit transfer or waiver for the master's program shall be administered in accordance with the Academy-designated regulations on credit transfer/waiver for graduate programs.

第四條 碩士生入學後第一學期結束前，須選定論文指導教授。論文指導教授應為本學程專任或合聘本校專任教師。

指導教授如為本學院其他學程之專任教師或本學院其他學程合聘本校專任教師，應經本學程主任同意。

碩士生經指導教授同意後，可選定企業專家共同指導論文。

Article 4 Master's students must select a thesis advisor before the end of the first semester after matriculation. The advisor should be a full-time faculty member of the Program, or an NCKU full-time faculty member jointly appointed by the Program.

Assignment of an NCKU full-time faculty member or a jointly-appointed faculty member from other programs of the Academy as a thesis advisor shall be approved by the Program director.

With the approval of the thesis advisor, master's students are allowed to select an industrial expert as a co-advisor.

第五條 碩士生符合下列各款規定者，得申請碩士學位考試：

一、完成論文初稿並經指導教授同意。

二、修滿本學程規定之應修科目及學分數，並經本學程完成畢業資格初審及送本校教務處複審同意。

Article 5 Master's students who meet the requirements specified below are allowed to apply for a degree examination:

1. Completion of the draft thesis, approved by the advisor.
2. Completion of the Program-designated courses and credits; and their graduation qualifications approved by the Program (preliminary review) and the Office of Academic Affairs of NCKU (final review).

第六條 碩士學位考試委員會置考試委員三人至五人，其指導教授不得擔任召集人。

考試委員應具備學位應試生研究領域之專業知能，並具有下列各款資格之一：

一、 現任或曾任教授、副教授、助理教授。

二、 中央研究院院士、現任或曾任中央研究院研究員、副研究員、助理研究員。

三、 在學術上著有成就或具備卓越產業研發績效之產業主管。

前項第三款產業主管之資格認定，由本學程主任邀集學程相關領域助理教授以上教師，召開會議審議之。

碩士生之配偶、三親等內之血親或姻親，或曾有上述關係者，不得擔任指導教授、共同指導教授或學位考試委員。

Article 6 The master's degree examination committee shall consist of three to five members. Meanwhile, the thesis advisor shall not be the convener of the committee.

Committee members shall be appointed from those specializing in the disciplines related to the degree thesis, who meet one of the following qualifications:

1. Those employed formerly or currently as a full, associate or assistant professor;
2. Those who are employed as an academician, or who are employed formerly or currently as a research fellow or associate research fellow at Academia Sinica;
3. Industrial executives with significant contributions in the academic field or with outstanding performance in industrial research and development.

The qualification of industrial executives, stated in Subparagraph 3 of the preceding paragraph, shall be reviewed at a meeting of faculty members, in the position of assistant professor or above, convened by the Program director.

Those who were/are related to a master's student as a spouse or a relative within three degrees of kinship by blood or marriage are not allowed to serve as his/her advisor, co-advisor, or degree examination committee member.

第七條 本校其他系所、學位學程之研究生修業滿一學年以上，或境外研究生修業滿一學期以上，因特殊情形，經原系所、學位學程與本學程核可並經本校教務長核准者，得申請轉入本學程修讀碩士學位，並以一次為限，一經核准即不得再申請轉回原學系所組或學程。

Article 7 Under special circumstances, approved by the original department/institute/degree program, this Program, and the Vice President for Academic Affairs of NCKU, NCKU-enrolled graduate students from other departments/institutes/degree programs who have completed one academic year of study, or overseas graduate students who have completed one semester of study, are allowed to apply for transfer to this Program for a master's degree. The transfer application is limited to one time. Once approved, students are not allowed to apply for transfer back to the original department/institute/program.

第八條 本辦法未盡事宜，依相關規定辦理。

Article 8 Matters that are not specified in these Regulations shall be administered in accordance with relevant regulations.

第九條 本辦法經院務會議、管理委員會通過後施行，報監督委員會備查，修正時亦同。

Article 9 These Regulations shall be approved by the Academy Affairs Council and the Management Committee and ratified by the Supervisory Committee before taking effect. Amendments shall be processed accordingly.

These regulations were translated from the original Chinese. In the event of discrepancies

between the two versions, the Chinese always takes precedence.