

G-32 半導體與綠色科技博士 學位學程 114 學年度入學博士班研究生畢業條件明細表  
Requirements for Ph.D. degree of Semiconductor and Green Technology after 2025

| 項 目 Items   | 備 註 Notes  |
|---|--|
| <p>一、修業年限：<br/>1.最低修業年限：2年<br/>2.最高修業年限：7年（不包括休學年限2年）</p> <p>I. Years of Enrollment:<br/>1. Minimum years of enrollment: 2 year<br/>2. Maximum years of enrollment: 7 years<br/>(excluding up to 2 years of suspension)</p>   | <p>在職生得延長修業年限一年</p> <p>In-service students may apply for a one-year extension of study.</p>  |
| <p>二、應修最低畢業總學分數（不含體育及國防教育課程學分）<br/>一般生共 <u>30</u> 學分<br/>碩士直升博士生共 <u>42</u> 學分<br/>學士直升博士生共 <u>    </u> 學分<br/>包括下列兩項：<br/>1.學 科（必、選修）：<br/>    一般生：必修最低 <u>4</u> 學分、選修最低 <u>14</u> 學分<br/>    碩士直升博士生：必修最低 <u>4</u> 學分、選修最低 <u>26</u> 學分<br/>    學士直升博士生：必修最低 <u>    </u> 學分、選修最低 <u>    </u> 學分<br/>2.畢業論文：<u>12</u> 學分</p> <p>II. Minimum credits for graduation: (physical education and citizen national defense education are not included)<br/>Regular students: <u>30</u> credits ; Master students in direct entry doctoral program: <u>42</u> credits ; Senior students indirect entry doctoral program : <u>    </u> credits<br/>including :<br/>1. Courses :<br/>Regular students : minimum of required credits: <u>4</u>; minimum of elective credits: <u>14</u><br/>Master students in direct entry doctoral program : minimum of required credits: <u>4</u>; minimum of elective credits: <u>26</u><br/>Senior students in direct entry doctoral program : minimum of required credits ; minimum of elective credits:<br/>2. Dissertation: <u>12</u> credits</p> | <p>研究生學業及操行成績均以70分為及格。操行成績不及格者，予以退學。學業平均成績佔畢業成績50%。<br/>碩士直升博士生，其在碩士班已修科目最多採認12學分。<br/>學士直升博士生，最多抵免博士班畢業學分數之一半(不含畢業論文)。<br/>選修學分僅承認學程專業科目規劃表內之課程，或指導教授同意之其他系所課程。</p> <p>Graduate students must have an academic and conduct grade of 70 to pass.<br/>Students who fail their conduct will be dismissed.<br/>Academic performance accounts for 50% of the graduation score.<br/>Master's direct-entry doctoral students may have up to 12 of the credits they earned from their master's program courses counted toward their graduation credits.<br/>Bachelor's direct-entry doctoral students may transfer up to half of the required graduation credits for doctoral programs (excluding credits earned from their graduation dissertation).<br/>Elective credits are only recognized for courses listed in the professional curriculum plan of the program or other courses from different departments with the approval of the advisor.</p> <p>※必修+選修+畢業論文=最低畢業總學分<br/>*Required + elective + dissertation = Minimum total credits required for graduation</p> |
| <p>三、抵免學分：最高 <u>6</u> 學分</p> <p>III. Transfer credits: maximum credits: <u>6</u></p>  | <p>依本校抵免學分辦法，並應於入學當學期加退選課程截止日期前申請抵免。</p> <p>According to NCHU regulation for credit exemption, students should apply for credit exemptions prior to the deadline of course add/drop.</p>   |

| <p>四、選修大學部相關課程計入研究所畢業學分<u>0</u>學分</p> <p>IV. Undergraduate credits from discipline-related courses may be counted as graduation credits: maximum credits of International PhD Program in Taiwan and Transcultural Studies: <u>0</u></p>   | <p>本校學生選課辦法規定：研究生每學期應修學科學分由指導教授或系、所、學位學程主管核定之。研究生因課業需要，除本系（所、學位學程）基本應修學分外，得經授課教師同意後，選修大學部相關課程，該課程如需計入畢業學分，須經指導教授及系、所、學位學程相關會議通過，但以六學分為限。</p> <p>According to NCHU regulation, students who need to take undergraduate courses for research purposes can submit the application during the period of course selection, and obtain approval from the chairperson, advisor, chairperson of the course offered, and dean of the academic affairs.</p> <p>The credits may be counted as graduation credits after students pass the courses. The maximum for such undergraduate credits: 6 credits</p> |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
|---|--|-----|--------------|---|---------|---|--------------------|---|---------|----|-------------------|---------|--|---|---------------------|---|--|---|-----------------|----|---|
| <p>五、承認外系（所）學分：<br/>一般生最多<u>12</u>學分<br/>碩士直升博士生最多<u>24</u>學分</p> <p>V. Credits from other departments: <u>6</u> credits or two courses<br/>Regular students: Up to <u>12</u> credits<br/>Master's students directly advancing to Ph.D.: Up to <u>24</u> credits</p>  | <p>含校際選課學分</p> <p>Including inter-university credits. Follow the program's "Guidelines for Graduation Credit Recognition of Non-Departmental Courses".</p>   |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| <p>六、必修科目及學分數：共<u>16</u>學分</p> <table border="1" data-bbox="82 985 670 1209"> <thead> <tr> <th>科目名稱</th> <th>學分數</th> </tr> </thead> <tbody> <tr> <td>1. 綠色科學與永續發展</td> <td>2</td> </tr> <tr> <td>2. 循環經濟</td> <td>2</td> </tr> <tr> <td>3. 半導體與綠色科技專題討論(一)</td> <td>2</td> </tr> <tr> <td>4. 博士論文</td> <td>12</td> </tr> </tbody> </table> <p>VI. Core courses and credits: <u>16</u> credits</p> <table border="1" data-bbox="82 1254 670 1556"> <thead> <tr> <th>Core Course Title</th> <th>Credits</th> </tr> </thead> <tbody> <tr> <td>1. Green Science and Sustainable Development</td> <td>2</td> </tr> <tr> <td>2. Circular Economy</td> <td>2</td> </tr> <tr> <td>3. Seminar on Semiconductor and Green Technology (I)</td> <td>2</td> </tr> <tr> <td>4. Dissertation</td> <td>12</td> </tr> </tbody> </table> | 科目名稱   | 學分數 | 1. 綠色科學與永續發展 | 2 | 2. 循環經濟 | 2 | 3. 半導體與綠色科技專題討論(一) | 2 | 4. 博士論文 | 12 | Core Course Title | Credits | 1. Green Science and Sustainable Development | 2 | 2. Circular Economy | 2 | 3. Seminar on Semiconductor and Green Technology (I) | 2 | 4. Dissertation | 12 | <p>必修科目不及格應予重修，必修科目未修滿不得畢業。「綠色科學與永續發展」、「循環經濟」二門擇一必修。</p> <p>1. Students who fail the core courses should retake core courses.<br/>2. Students who don't complete core courses cannot graduate.<br/>3. 「Green Science and Sustainable Development」、「Circular Economy」Choose one of the two courses as a required course.</p> |
| 科目名稱  | 學分數  |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| 1. 綠色科學與永續發展  | 2  |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| 2. 循環經濟   | 2  |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| 3. 半導體與綠色科技專題討論(一)  | 2  |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| 4. 博士論文   | 12   |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| Core Course Title   | Credits  |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| 1. Green Science and Sustainable Development  | 2  |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| 2. Circular Economy   | 2  |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| 3. Seminar on Semiconductor and Green Technology (I)  | 2  |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| 4. Dissertation   | 12   |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |
| <p>七、博士班研究生考核：<br/>博士班研究生於入學後第一學年結束前，應經系（所）主任之同意商請指導教授。</p> <p>VII. Evaluation for Ph.D. students:<br/>Doctoral students shall, with the approval of their department/graduate institute chairs, find their advisors before the end of the first academic year.</p>   | <p>未於規定期限內商請指導教授者，勒令休學一學期。</p> <p>Evaluation must be performed annually. If not completed, student will be suspended for one semester.</p>   |     |              |   |         |   |                    |   |         |    |                   |         |  |   |                     |   |  |   |                 |    |   |

|   |  |
|---|--|
| <p>八、博士候選人資格考核：<br/>         研究生修完最低修業年限並修滿規定應修科目及學分，且撰妥學位論文計劃大綱及基本內容，始得提出博士候選人資格考核，並經考核委員會三分之二以上之委員通過，始為合格。</p> <p>VIII Doctoral degree candidate qualification examination:<br/>         Graduate students who have completed the minimum period of study, fulfilled all required courses and credits, and prepared the outline and basic content of their degree dissertations may apply for a doctoral degree candidate qualification examination. The students are deemed to have passed the examination if at least two-thirds of the examination committee members agree so.</p>   | <p>博士候選人資格考核不合格者，不得提出論文考試，經重考一次仍不合格者，予以退學。<br/>         考核委員會由學程主任召集學程相關研究領域教師組成。</p> <p>A student who fails to pass qualifying examination is not allowed to have dissertation defense. A student is allowed to repeat the qualifying examination only once. A student who fails twice in the qualifying examination will be forced to drop out.</p> <p>The assessment committee is convened by the program director and consists of faculty members from relevant research fields within the program.</p>  |
| <p>九、博士學位考試（論文考試）：<br/>         1. 研究生須於申請論文考試前取得學術倫理教育修課證明，前項資格由各系（所、學位學程）認定。<br/>         2. 通過博士候選人資格考核，並完成研究論文初稿者得於當學期完成註冊選課後，於預定舉行論文考試日期至少二十天前提出論文考試申請。論文考試成績以70分為及格。</p> <p>IX. Doctoral degree examination (dissertation defense):<br/>         1. Graduate students must obtain proof showing that they have completed academic ethics education courses prior to applying for their dissertation defense. Relevant qualifications are determined by the respective departments/graduate institutes/degree programs.<br/>         2. Students who have passed their doctoral degree candidate qualification examinations and who have completed a draft of their dissertations shall, after registering and enrolling for the semester, apply for the dissertation defense; they shall apply for the defense at least 20 days before the scheduled defense date. A passing score for the defense is 70.</p> | <p>論文考試成績佔畢業成績50%。<br/>         研究生得透過臺灣學術倫理教育資源中心網站自我學習，並通過總測驗取得修課證明；各系（所、學位學程）另訂有應通過專業學術研究倫理教育研習課程者，則依各系（所、學位學程）另訂之規定實施。<br/>         論文不及格而修業年限未屆滿者，得於次學年或次學期申請重考一次，重考仍不及格者，予以退學。重考及格者之成績，概以70分計算。</p> <p>Dissertation defense score accounts for 50% of the graduation score.<br/>         Graduate students may complete self-directed learning through the Center for Taiwan Academic Research Ethics Education website and shall pass the final test to obtain certification. Departments/graduate institutes/degree programs may require students to take additional professional academic research ethics training courses in accordance with their own regulations. Students who failed their dissertation defense but have not yet reached the maximum study period may register for the following academic year or semester to retake the examination once. For retakes, a passing score of 70 or above will be recorded as 70. Those who fail their dissertation defense twice will be dismissed.</p> |
| <p>十、其他：英語能力畢業標準：無(如系所未訂，亦請註明)<br/>         (一) 研究報告發表：在學期間須於相關學術研討會上宣讀與畢業論文相關之研究成果至少二次，且至少須以第一作者發表一篇與畢業論文相關之研究報告於SCI期刊。<br/>         (二) 須於修業三年內完成博士學位候選人資格考核。</p> <p>X. Other requirements: English Proficiency standard:<br/>         Not applicable for this department<br/>         (1) Research Report Presentation: During the study period, students must present research findings related to their dissertation at least twice in relevant academic conferences. Additionally, they must publish at least one research report related to their dissertation in an SCI journal as the first author.<br/>         (2) Ph.D. Candidacy Qualification: Students must complete the Ph.D. candidacy qualification assessment within three years of study.</p>   | <p>依「國立中興大學學生英文能力畢業標準檢定辦法」第2條規定，授權系所自訂研究生英語能力畢業標準。(98.3.26第57次教務會議訂定)</p> <p>The departments/graduate institutes are authorized to set their own English proficiency standards for graduate students in accordance with Article 2 of the University's Regulations on Graduation English Proficiency (approved in the 57th Academic Affairs Meeting on March 26, 2009).</p>   |

※必修科目及畢業學分數規定由系所依各學年課程規劃表填列；章程查詢網址：<http://www.oaa.nchu.edu.tw/rule01.htm>

※畢業條件異動請依畢業條件異動簡化程序建議表辦理。如無課程或學分異動，不須每學年提送。

※本表格修訂係依第62、70、71次教務會議紀錄。

系(所、學位學程)承辦人：

系所主管簽章：

113年07月29日修訂

※The regulation of required subjects and graduation credits are depended on curriculum plan of each department. Address for regulation research: <http://www.nchu.edu.tw/~indodep/chinese/rule.htm>

※If there is no change in Regulation of Graduation requirement, it is not required to propose each year.

※This form is amended by 62th NCHU Academic Affairs Meeting.

Staff in the department: \_\_\_\_\_ Director: \_\_\_\_\_ Date: \_\_\_\_\_