

G-32 工業與智慧科技博士 學位學程 113 學年度入學博士班研究生畢業條件明細表 Doctoral Program in Industrial and Smart Technology 113 Year Requirements for Ph.D. Students	
項目 Requirements	備註 Remarks
一、修業年限： 1.最低修業年限：2 年 2.最高修業年限：7 年（不包括休學年限 2 年） I. Duration of master's degree: 1. Minimum: 2 year 2. Maximum: 7 years(excluding 2 years academic leave)	在職生得延長修業年限一年 Students with working status are allowed an extra year to graduate.
二、應修最低畢業總學分數（不含體育及國防教育課程學分） 一般生共 30 學分 碩士直升博士生共 42 學分 學士直升博士生共 _____ 學分 包括下列兩項： 1.學 科（必、選修）： 一般生：必修最低 4 學分、選修最低 14 學分 碩士直升博士生：必修最低 4 學分、選修最低 26 學分 學士直升博士生：必修最低 _____ 學分、選修最低 _____ 學分 2. 畢業論文： 12 學分 II. Minimum number of credits required for the degree (excluding the credits of PE and Defense Education Military Training):30 credits Credit requirements (all students): 1. Required courses: 4 credits Selective courses: 14 credits 2. Dissertation: 12 credits	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%。 碩士直升博士生，其在碩士班已修科目最多採認 12 學分。 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)。 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。 ※必修+選修+畢業論文=最低畢業總學分 For each course, a course grade of 70 or above and a conducting score of 70 or above are required to pass. Students are dropped from the course if the conduct score drops below 70. The course grade average accounts for 50% of the graduation score. Students matriculating directly into the Ph.D. program from a master's program before finishing the master's program may apply a maximum of 12 credits from their master's program towards the Ph.D. credit requirement for graduation. Students matriculating directly into the Ph.D. program without completing a bachelor's or master's program in applied economics may apply a maximum of 12 credits (half of the Ph.D. credit requirement excluding dissertation) from previous academic programs toward the Ph.D. credit requirement for graduation. ※Credits from required courses, selective courses, and dissertations comprise the required credits for graduation. Elective credits are only recognized for courses listed in the program's professional subject plan or other department courses approved by the advisor.
三、抵免學分：最高 6 學分 III. Credit Deduction: 6 credits maximum	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。 According to NCHU regulations regarding credit deduction, students must apply for credit deduction before the course addition and removal deadline in the first semester.
四、選修大學部相關課程計入研究所畢業學分：0 學分 IV. Undergraduate credits applicable towards graduation credit requirements. Not applicable to this department	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，須經指導教授及學位學程相關會議通過，但以六學分為限。 According to NCHU regulations regarding course selection, graduate students may select undergraduate courses to supplement academic study. A maximum of 6 credits may be applied towards the graduation credit requirement with approval from the department chair, the student's advisor, and the chairperson of the undergraduate department of the selected courses.

<p>五、承認外系（所）學分：          一般生最多 <u>12</u> 學分          碩士直升博士生最多 <u>24</u> 學分</p> <p>V. Number of credits from other departments applicable towards credit graduation requirement: 12 credits maximum          Master's students directly pursuing a doctoral degree: 24 credits maximum</p>	<p>含校際選課學分，承認之選修學分須於選修前經指導教授及學程主任同意</p> <p>Credits from other universities are allowed.          Before selecting the course, the advisor and the program director must approve the recognized elective credits.</p>																				
<p>六、必修科目及學分數：共 <u>16</u> 學分</p> <table border="1" data-bbox="140 280 877 448"> <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. 工業與智慧科技專題討論(一)</td> <td>2</td> </tr> <tr> <td>4. 博士論文</td> <td>12</td> </tr> </tbody> </table> <p>VI. Required courses and credits: 16 credits in total</p> <table border="1" data-bbox="140 470 965 629"> <thead> <tr> <th>Subject</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 Industrial and Smart Technology (I)</td> <td>2</td> </tr> <tr> <td>4. Thesis</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. 工業與智慧科技專題討論(一)	2	4. 博士論文	12	Subject	Credits	1. Green Science and Sustainable Development	2	2. Circular Economy	2	3. Seminar on Industrial and Smart Technology (I)	2	4. Thesis	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>If a student fails a required course, they must retake it and pass before graduating. All required courses must be passed before a student is allowed to graduate.</p>
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<p>七、系（所）指定應補修基礎科目（不計入畢業學分）：共 _____ 學分</p> <p>VII. Undergraduate course requirements for admission into the Department. These courses do not count towards the graduation credit requirement: total credits</p>																					
<p>八、博士班研究生考核：          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>VIII. Ph.D. student evaluation: A Ph.D. student must select an advisor and obtain permission from the Departmental Director before the end of the 1st 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>If a student doesn't invite an advisor before the deadline, their studies will be suspended.</p>																				
<p>九、博士候選人資格考核：          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>IX. Qualification examination for Ph.D. candidates:          Ph.D. students may apply for the qualification exam after finishing 2 years of study, completing all courses and credits, and finishing the outline and basic content of the dissertation. The student will pass the qualification exam upon approval from two-thirds of the committee members.</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。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 Ph.D. student cannot apply to defend their dissertation if they did not pass the qualification exam. A Ph.D. will be dropped from the graduate program upon their second failure of the qualification exam.</p> <p>The program director convenes the evaluation committee, which consists of faculty members from the program's relevant research areas.</p>																				

<p>十、博士學位考試（論文考試）：</p> <p>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。</p> <p>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>X. Doctoral Thesis Oral Examination (thesis assessment):</p> <ol style="list-style-type: none"> <li>1. Ph.D. students should acquire the REE course certificate (approved by the program) before applying for their final thesis exam.</li> <li>2. A Ph.D. student may apply for dissertation defense after passing the qualification exam, completing the dissertation, and finishing registration and course selection for the semester. They must apply 20 days in advance of the scheduled date of defense. 70 is the passing score.</li> </ol>	<p>論文考試成績佔畢業成績 50%。</p> <p>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。</p> <p>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>The dissertation score accounts for 50% of the graduation score.</p> <p>Graduate students have to complete the ethics course(s) administrated by the Center of Research Ethics Education (REE) at the online self-learning website, pass the related REE test(s), and then acquire the REE course certificate. For those departments and graduate institutes with other ethics course requirements established and enforced, such departmental or institutional ethics course requirements may supersede the REE course requirements.</p> <p>If a Ph.D. student fails to defend their dissertation successfully but still hasn't been in the program longer than the allowed time, they may apply to defend again in the next semester or next academic year. They will be dropped from the graduate program upon a second failure. A score of 70 or higher is required to pass.</p>
<p>十一、其他：英語能力畢業標準：無(如系所未訂，亦請註明)</p> <p>(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。</p> <p>(二) 須於修業三年內完成博士學位候選人資格考核。</p> <p>XI. Other requirements: English Proficiency standard: Not applicable for this department</p> <ol style="list-style-type: none"> <li>1. Research Report Presentation: During the study period, students must present research findings related to their graduation thesis at relevant academic conferences at least twice and must publish at least one research report related to their graduation thesis in an SCI journal as the first author.</li> <li>2. The doctoral candidacy evaluation must be completed within three years of study.</li> </ol>	<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>According to the 2nd article of the NCHU graduate English proficiency regulation, all departments have the right to require graduate students to provide proof of adequate English proficiency before graduation. (Established in the 57th NCHU Meeting, Mar. 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。

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

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

※This form is amended by 62th、70th、71th、80th NCHU Academic Affairs Meeting.

系(所、學位學程)承辦人：

Staff in the department

系所主管簽章：

Director

113年 1 月 4日修訂

Date 2024.01.04