

G-32 生命科學系 (所) <u>114</u> 學年度入學博士班研究生畢業條件明細表			
項	目	備 註	
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）		在職生得延長修業年限一年	
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 <u>30</u> 學分 碩士直升博士生共 <u>42</u> 學分 學士直升博士生共 <u>42</u> 學分 包括下列兩項： 1. 學 科（必、選修）： 一般生：必修最低 <u>4</u> 學分、選修最低 <u>11</u> 學分 碩士直升博士生：必修最低 <u>5</u> 學分、選修最低 <u>23</u> 學分 學士直升博士生：必修最低 <u>5</u> 學分、選修最低 <u>23</u> 學分 2. 畢業論文： <u>12</u> 學分		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)。  ※必修+選修+畢業論文=最低畢業總學分	
三、抵免學分：最高 <u>7</u> 或不限學分		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。	
四、選修大學部相關課程計入研究所畢業學分		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； <u>惟碩士生修習本校「課程規劃與開授準則」所規範之進階課程，計入畢業學分數以十二學分為限。</u>	
五、承認外系（所）學分：最多 _____ 學分		含校際選課學分	
六、必修科目及學分數： 共 <u>19</u> 或 <u>17</u> 或 <u>16</u> 學分		必修科目不及格應予重修， 必修科目未修滿不得畢業。	
科目名稱			學分數
1. 專題討論（三）			2
2. 專題討論（四）			2
3. 實驗室安全衛生（已修習過本課程者，可免修）			1
4. 畢業論文			12
5. 生物科技學特論（生醫科技組必修）			2
七、系（所）指定應補修基礎科目（不計入畢業學分） 1. 生物多樣性組研究生先修科目：新入學的本組博、碩士班研究生如於研究所或大學部未曾修習過分類學、統計學及生態學等學門之相關課程任兩科者，需於修業結束前補修該相關課程。 2. 生理組研究生先修科目：新入學的本組博、碩士班研究生如於研究所或大學部未曾修習過生理學、生物化學、遺傳學、細胞生物學、分子生物學等學門之相關課程任兩科者，需於修業結束前補修該相關課程。 3. 生醫科技組研究生先修科目：新入學的本組博、碩士班研究生如於研究所或大學部未曾修習過生物化學、微生物學及分子生物學等學門之相關課程任兩科者，需於修業結束前補修該相關課程。			
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。			
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，依各組資格考核辦法實施。 資格考試通過至少 6 個月後始得進行口試。		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。	

<p>十、博士學位考試（論文考試）：</p> <ol style="list-style-type: none"> <li>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。</li> <li>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。</li> </ol>	<p>論文考試成績佔畢業成績 50%。          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。          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>十一、論文發表須符合下列任一項標準：</p> <ol style="list-style-type: none"> <li>1. 以生命科學系名義及唯一第一作者身份發表論文二篇〔含〕以上於 SCI 國際期刊，其中一篇必須領域排名百分比在前五十〔含〕*。</li> <li>2. 以生命科學系名義發表二篇論文，其中一篇必須以唯一第一作者身份發表於 SCI 國際期刊，且領域排名百分比在前五十〔含〕*，及於申請博士學位考試前須通過英文能力認定*。</li> <li>3. 以生命科學系名義及唯一第一作者身份發表論文一篇於 SCI 國際期刊且必須領域排名百分比在前五十〔含〕*，有和前述著作不同內容之專利送審通過取得發明專利字號*（指導教授須為發明人之一），及於申請博士學位考試前須通過英文能力認定*。</li> </ol>	<p>*註 1：「論文投出當時最新 JCR 排名資料」。          *註 2：英文能力認定參照本校「國立中興大學學生英文能力畢業標準檢定辦法」之規定。          *註 3：專利所有權人須為「國立中興大學」，且貢獻排序須為前二名。          *註 4：符合排名之論文（領域排名百分比在前五十〔含〕）需為 original research article。</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>

※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：

年 月 日修訂

## **Department of Life Sciences Graduation Requirements for Doctoral Students Enrolled after 2025**

Items	Notes												
<p>I. Period of study:</p> <ol style="list-style-type: none"> <li>Minimum years of enrollment: 2 years</li> <li>Maximum years of enrollment: 7 years (excluding 2 years of suspension)</li> </ol>	In-service students may apply for a one-year extension of study.												
<p>II. Minimum total credits required to graduate (excluding credits earned from physical education and national defense education courses)</p> <p>General students: <u>30</u> credits</p> <p>Master's direct-entry doctoral students: <u>42</u> credits</p> <p>Bachelor's direct-entry doctoral students: <u>42</u> credits</p> <p>Including the following two categories:</p> <ol style="list-style-type: none"> <li>Courses (required and elective courses):                     <p>General students: Minimum credits from required courses, <u>4</u>; and minimum credits from elective courses, <u>11</u>.</p> <p>Master's direct-entry doctoral students: Minimum credits from required courses, <u>5</u>; and minimum credits from elective courses, <u>23</u>.</p> <p>Bachelor's direct-entry doctoral students: Minimum credits from required courses, <u>5</u>; and minimum credits from elective courses, <u>23</u>.</p> </li> <li>Dissertation writing: <u>12</u> credits.</li> </ol>	<p>Graduate students must have an academic and conduct grade of 70 to pass.</p> <p>Students who fail their conduct will be dismissed.</p> <p>Academic performance accounts for 50% of the graduation score.</p> <p>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.</p> <p>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).</p> <p>*Required + elective + dissertation = Minimum total credits required for graduation</p>												
<p>III. Transfer credits: maximum <u>7 or unlimited</u> credits</p>	Students' credit transfer applications must comply with the University's Regulation for Credits Exemption and be submitted before the course add/drop deadlines in the semesters that the students are admitted.												
<p>IV. Inclusion of relevant undergraduate courses in graduate credits.</p>	The University's Regulations on Course Registration : The number of required course credits that graduate students shall earn per semester is determined by their advisors or department/graduate institute/degree program heads. If necessary, students may take relevant undergraduate courses with the approval of their course instructors. For credits from these courses to count toward graduation credits, approval from the advisors and relevant department/graduate institute/degree program meetings is required, with a maximum of 6 credits allowed.												
<p>V. Recognition of credits from other departments/graduate institutes: Maximum <u>    </u> credits</p>	Inter-university course credits may also be included.												
<p>VI. Required courses and credits: <u>19 or 17 or 16</u> credits</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Core Course Title</th><th style="text-align: center;">Credits</th></tr> </thead> <tbody> <tr> <td>1. Seminar (III)</td><td style="text-align: center;">2</td></tr> <tr> <td>2. Seminar (IV)</td><td style="text-align: center;">2</td></tr> <tr> <td>3. Laboratory Safety and Health (Students who have already completed this course may be exempted.)</td><td style="text-align: center;">1</td></tr> <tr> <td>4. Dissertation</td><td style="text-align: center;">12</td></tr> <tr> <td>5. Special Topics in Biotechnology (Required for the Biomedical Technology program)</td><td style="text-align: center;">2</td></tr> </tbody> </table>	Core Course Title	Credits	1. Seminar (III)	2	2. Seminar (IV)	2	3. Laboratory Safety and Health (Students who have already completed this course may be exempted.)	1	4. Dissertation	12	5. Special Topics in Biotechnology (Required for the Biomedical Technology program)	2	<p>Students who fail the required courses shall retake them.</p> <p>Students who do not complete all the required courses may not graduate.</p>
Core Course Title	Credits												
1. Seminar (III)	2												
2. Seminar (IV)	2												
3. Laboratory Safety and Health (Students who have already completed this course may be exempted.)	1												
4. Dissertation	12												
5. Special Topics in Biotechnology (Required for the Biomedical Technology program)	2												

<p>VII. Foundation courses assigned by the department/graduate institute (not counted toward graduation credits):</p> <ol style="list-style-type: none"> <li>1. Biodiversity Program: Newly admitted graduate students who have not completed at least two courses in the following fields—taxonomy, statistics, or ecology—during their undergraduate or graduate studies must take and pass the relevant courses before graduation.</li> <li>2. Physiology program: Newly admitted graduate students who have not completed at least two courses in the following fields—physiology, biochemistry, genetics, cell biology, or molecular biology—during their undergraduate or graduate studies must take and pass the relevant courses before graduation.</li> <li>3. Biomedical Technology program: Newly admitted graduate students who have not completed at least two courses in the following fields—biochemistry, microbiology, or molecular biology—during their undergraduate or graduate studies must take and pass the relevant courses before graduation.</li> </ol>	<p>Prerequisite credits will not be counted as graduation credits. Students are not eligible to attend the thesis defense until they complete the prerequisite courses.</p>
<p>VIII. Doctoral student evaluation: 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>IX. Doctoral degree candidate qualification examination: Graduate students who have completed the minimum period of study, fulfilled all required courses and credits, and pass the qualifying examination according to the rules of their respective program. The oral defense can only be conducted at least six months after passing the qualifying examination.</p>	<p>Students who fail their qualification examinations may not apply for dissertation defense. Those who fail the qualification examinations twice will be dismissed.</p>
<p>X. Doctoral degree examination (dissertation defense):</p> <ol style="list-style-type: none"> <li>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.</li> <li>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.</li> </ol>	<p>Dissertation defense score accounts for 50% of the graduation score. 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>

**XI. Dissertation Publication Requirements:**

Ph.D. candidates must meet one of the following standards for dissertation publication:

1. Publish at least two papers under the affiliation of the Department of Life Sciences as the single first author in SCI journals, with at least one paper ranked top 50% in its field.\*
2. Publish two papers under the affiliation of the Department of Life Sciences, with at least one as the single first author in an SCI journal ranked top 50% in its field.\* Additionally, candidates must pass the English proficiency certification before applying for the Ph.D. defense.\*
3. Publish one paper under the affiliation of the Department of Life Sciences as the single first author in an SCI journal ranked top 50% in its field.\* Obtain a granted invention patent with content different from the published paper (the advisor must be one of the inventors),\* and pass the English proficiency certification before applying for the Ph.D. defense.\*

Note 1. The JCR ranking data used must be the most recent available at the time of submission.

Note 2. The English proficiency certification must comply with "Measures for the Assessment of the English Proficiency Graduation Standards of National Chung Hsing University Students."

Note 3. The patent ownership must be attributed to "National Chung Hsing University," with the candidate listed among the top two contributors.

Note 4. The qualifying paper (ranked top 50% in its field) must be an original research article.

2024/5/6

Coordinator 系(所、學位學程)承辦人：

Chairperson 系所主管簽章：

若中文版本與英文翻譯版本有任何差異，以中文版本為準。

In the event of any discrepancies between the Chinese version and its English translation, the Chinese version shall prevail.