

# 資訊科學與工程研究所碩士班

108 學年度

最低修業年限	一般生為一至四年，在職生為二至五年。至本所修讀碩士班雙聯學位生至少需於本所修業二學期
應修學分數	除個別研究及論文研討課程之外，至少須修滿廿四學分。
應修（應選）課程及符合畢業資格之修課相關規定	<ol style="list-style-type: none"> <li>1. 新生入學時必須繳交大學部成績單，由本所規定之委員會審查該生之演算法概論、作業系統概論、計算機組織等三科是否修過大學部水準之課程。若有不足者，必須於畢業前完成補修通過大學部課程或選修通過研究所相關課程；未完成者不能畢業。</li> <li>2. 丁組碩士生必須選修通過『系統與網路服務研究(一)』、『系統與網路服務研究(二)』及『系統與網路管理實習』三門課程。</li> <li>3. 戊組學生入學後之前二學期必須選修『校務系統開發與管理(一)、(二)』，畢業前須通過此兩課程。</li> <li>4. 每學期須選修「個別研究」課程，由碩士論文指導教授評分，以評定學生之研究水準，畢業前該課程至少須有二學期成績為通過。</li> <li>5. 畢業前須修讀通過一學期「論文研討」課程。</li> <li>6. 畢業前須通過一門本院研究所開授或認可之英文授課專業課程。（註：研討類型之課程除外。）</li> <li>7. 碩士生應於提出碩士學位論文計畫書之前通過本院大學部程式檢定考試（已於大學部期間通過本院大學部程式檢定考試者，視為通過）。</li> <li>8. 除『個別研究』及『論文研討』課程之外，至少須修滿廿四學分，其中至少十八學分須修讀本院所開設之專業課程，另六學分如選擇非本學院課程或本院非專業課程，須於選課截止前填寫『碩士生修習非本學院專業課程申請書』，經指導教授同意並經所長認可後方得計入畢業學分，逾期一概不受理。</li> <li>9. 碩士生入學後，第一學期須至「臺灣學術倫理教育資源中心」平台修習「學術研究倫理教育課程」。修業期間未通過總測驗之學生，不得申請學位考試。</li> </ol>

## Master's Degree of the Institute of Computer Science and Engineering Academic Year 2019

Minimum Term of Study	One to four years for full-time students; two to five years for part-time students. Dual-degree graduate students of the Institute must complete at least 2 semesters in the Institute.
Minimum Credits	In addition to the courses of Individual Study and Seminars, students must complete 24 credits.
Curriculum and Regulations	<ol style="list-style-type: none"> <li>1. Prior to enrollment, a fresh graduate student must submit his undergraduate transcript to a designated committee for examination. The committee will check if the student's grades on "Introduction to Algorithms", "Introduction to Operating Systems", and "Computer Organization" meet the Institute's requirements for undergraduate students. Students who do not meet the requirements must fulfill the requirements by taking and passing either the undergraduate courses offered by the Department of Computer Science (hereinafter referred to as the Department) at NCTU or the related courses offered by the institute. If such requirements are not met, the student shall not graduate.</li> <li>2. Students in Program D must pass the following three courses: "System and Network Services Research (I)", "System and Network Services Research (II)", and "Computer and Network System Administration</li> </ol>

	<p>Lab”.</p> <ol style="list-style-type: none"> <li>3. Students in Program E must take “Institutional System Development and Management (I) and (II)” in the first 2 semesters and pass both courses prior to graduation.</li> <li>4. Students must take ‘Independent Study’ every semester and be graded by the thesis advisor in order to evaluate the research ability. At least two semesters should be passed prior to graduation.</li> <li>5. Students must pass one Seminar course before graduation.</li> <li>6. Students must pass at least one professional course taught in English given or approved by the college of Computer Science (hereinafter referred to as the College) at NCTU (Note: Except seminar courses.)</li> <li>7. Master’s students must pass the Basic Programming Examination given by the Department before the thesis proposal is submitted. (Students who have passed the Basic Programming Examination given by the Department during undergraduate years may waive the requirement.)</li> <li>8. In addition to the courses of ‘Individual Study’ and Seminars, students must complete 24 credits, of which at least 18 must come from specialized courses offered within the College. For the remaining credits, at most 6, students can take general courses offered within the College, or courses offered by the other colleges at NCTU or at other institutions. In this case, students must complete the “Application Form for Master’s students to take courses in other college / general courses in the college ” before the deadline of course enrollment, and the application must be approved by the thesis advisor and then by the Director of the Institute, for the credits to be accepted as part of the graduation credits.</li> <li>9. Students should register in the course of “Academic Research Ethics Education” during their first semester. Students who don’t pass the final assessment of the course can’t apply for their degree exam.</li> </ol>
--	---

## 資訊科學與工程研究所博士班

108 學年度

最低修業年限	一般生為二至七年，在職生為二至八年。至本所修讀博士班雙聯學位生至少需於本所修課、研究合計四學期。
應修學分數	<ol style="list-style-type: none"> <li>一、 不含「論文研討」、「書報討論」、以及「博士學位論文研究」學分至少須修滿十八學分。</li> <li>二、 本院研究所應屆畢業生獲得碩士學位後立即修讀博士學位者，含在碩士班所修學分數應至少須修滿三十六學分(不含「論文研討」、「書報討論」、「博士學位論文研究」)，其中本院研究所專業課程至少須修滿二十四學分。</li> </ol>
逕博應修學分數	不含「論文研討」、「書報討論」以及「博士學位論文研究」學分至少須修滿三十學分。
應修（應選）課程及符合畢業資格之修課相關規定	<ol style="list-style-type: none"> <li>一、 畢業前須選修通過三個「論文研討」及兩個「書報討論」，其中「書報討論」博二以上方能選修。</li> <li>二、 資格考試通過後每學期必須選修「博士學位論文研究」，至畢業為止。</li> <li>三、 畢業前須通過 1 門資訊學院（以下簡稱本院）研究所開授或認可之英文授課專業課程。（註：研討類型之課程除外。）</li> </ol>

	<p>四、 不含「論文研討」、「書報討論」、以及「博士學位論文研究」學分至少須修滿十八學分，其中本院研究所專業課程至少須修滿九學分，其餘九學分如選修非本院研究所課程或本院研究所非專業課程，須填寫「博士生修習非本院專業課程申請書」，經所長認可後，方得計入畢業學分。</p> <p>五、 本院研究所應屆畢業生獲得碩士學位後立即修讀博士學位者，含在碩士班所修學分數應至少須修滿三十六學分，其中本院研究所專業課程至少須修滿二十四學分，其餘十二學分如選修非本院研究所課程或本院研究所非專業課程，須填寫「博士生修習非本院專業課程申請書」，經所長認可後，方得計入畢業學分。</p> <p>六、 碩士班選讀博士學位者至少須修滿三十學分（含碩士班時所修學分），其中本院研究所專業課程至少須修滿二十四學分，其餘六學分如選修非本院研究所課程或本院研究所非專業課程，須填寫「博士生修習非本院專業課程申請書」，經所長認可後，方得計入畢業學分。</p> <p>七、 以學士學位選讀博士學位者至少須修滿三十學分，其中本院研究所專業課程至少須修滿二十四學分，其餘六學分如選修非本院研究所課程或本院研究所非專業課程，須填寫「博士生修習非本院專業課程申請書」，經所長認可後，方得計入畢業學分。</p> <p>八、 必需通過本院博士班學生英文能力鑑定。</p> <p>九、 博士生入學後，第一學期須至「臺灣學術倫理教育資源中心」平台修習「學術研究倫理教育課程」。修業期間未通過總測驗之學生，不得申請學位考試。</p> <p>十、 至本所修讀博士班雙聯學位生，應滿足博士學位授予之學分數要求，其中至少三分之一須於本校修習，於簽約學校修習之學分得經抵免程序取得承認。</p>
--	--

## Doctoral Degree of the Institute of Computer Science and Engineering Academic Year 2019

Minimum Term of Study	Two to seven years for full-time students; two to eight years for part-time students. Dual-degree graduate students of the Institute must enroll in courses and do researches in the Institute for at least 4 semesters in total.
Minimum Credits	<ol style="list-style-type: none"> <li>1. In addition to the courses of Seminar, Special Topic Seminar, and Ph.D.Thesis Study, students must complete 18 credits.</li> <li>2. A graduate from the department's Master degree program continuing to the doctoral degree program shall complete 36 credits(including the credits completed in Master degree program) ,of which 24 must come from specialized courses offered within the College, in addition to the courses of Seminar, Special Topic Seminar, and Ph.D.Thesis Study.</li> </ol>
Direct PhD Minimum Credits	In addition to the courses of Seminar, Special Topic Seminar, and Ph.D.Thesis Study, students must complete 30 credits.
Curriculum and Regulations	<ol style="list-style-type: none"> <li>1. Pass three Seminar and two Special Topic Seminar (both are elective courses), where Special Topic Seminar can only be taken after the second year of the PhD program.</li> <li>2. After passing the Qualification Examination, students must take Ph.D.Thesis Study each semester till graduation.</li> <li>3. Students must pass at least 1 English specialized course given or approved by institutes in the College prior to graduation. (Note: Except seminar</li> </ol>

courses.)

4. In addition to the courses of Seminar , Special Topic Seminar and Ph.D.Thesis Study, students must complete 18 credits, of which 9 must come from specialized courses offered within the College. For the remaining 9 credits, students may take the courses from other relative institutes which are approved by the Director of the Institute.
5. A graduate from the department's Master degree program continuing to the doctoral degree program shall complete 36 credits (include the credits took within the period of master degree), of which 24 must come from specialized courses offered within the College. For the remaining 12 credits, students may take courses offered by the other college or general courses offered within the College. In this case, students must complete the "Application Form for Ph.D. students to take courses in other college / general courses in the college". The application must be approved by the thesis advisor and then by the Director of the Institute, for the credits to be accepted as part of the graduation credits.
6. For students pursuing doctoral degree without completing the requirements of master's degree, each of them must complete 30 credits, of which 24 must come from specialized courses offered within the College. For the remaining 6 credits, students may take courses offered by the other college or general courses offered within the College. In this case, students must complete the "Application Form for Ph.D. students to take courses in other college / general courses in the college". The application must be approved by the thesis advisor and then by the Director of the Institute, for the credits to be accepted as part of the graduation credits.
7. For direct PhD students, each of them must complete 30 credits, of which 24 must come from specialized courses offered within the College. For the remaining 6 credits, students may take courses offered by the other college or general courses offered within the College. In this case, students must complete the "Application Form for Ph.D. students to take courses in other college / general courses in the college". The application must be approved by the thesis advisor and then by the Director of the Institute, for the credits to be accepted as part of the graduation credits.
8. The PhD students must pass the English Proficiency Test.
9. Students should register in the course of "Academic Research Ethics Education" during their first semester. Students who don't pass the final assessment of the course can't apply for their degree exam.
10. Dual-degree PhD students of the Institute must complete sufficient credits required by the doctoral program, of which at least one-third should be taken at the University. Credits taken from the sister school may be approved through the credit exemption procedure.