

數據科學與工程研究所碩士班

107 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	除個別研究及數據科學系列演講課程之外，至少須修滿廿四學分。修習「教學實務」課程至多採計1學分為畢業學分。
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"> 1. 學生入學後必須修讀本所以下課程，並於畢業前修讀通過：I)統計學(或經本所規定會議認定之等同課程)、統計方法(或經本所規定會議認定之等同課程)兩科中至少須選修通過一科；II)資料探勘、機器學習兩科中至少須選修通過一科；III) 數據科學專題；IV)兩學期『數據科學系列演講』課程。 2. 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。 3. 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。） 4. 除『個別研究』及『數據科學系列演講』課程之外，至少須修滿廿四學分，如選擇非本學院課程，須於選課截止前填寫『碩士生修習非本學院課程申請書』，經指導教授及所長同意後方得計入畢業學分，逾期一概不受理。 5. 修習「教學實務」課程至多採計1學分為畢業學分。 6. 碩士生入學後，第一學期即須至「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。

Master's Degree of the Institute of Data Science and Engineering

Academic Year 2018

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 Data Science Seminar, students must complete 24 credits. At most one credit can be counted toward the graduate program credit requirement by taking the course of "Teaching Technique Practice."
Curriculum and Regulations	<ol style="list-style-type: none"> 1. Students must take and pass the following courses offered by the institute before graduation: I) at least one of the following courses: "Statistics" (or equivalent course(s) approved by the relevant committee of the institute) and "Statistical Methods" (or equivalent course(s) approved by the relevant committee of the institute); II) at least one of the following courses: "Data mining" and "Machine Learning"; III) "Data Science Project"; IV) two courses on "Data Science Seminar". 2. 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. 3. 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.) 4. In addition to the courses of 'Individual Study' and "Data Science Seminar", students must complete 24 credits. If take 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 Institutes" 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. 5. At most one credit can be counted toward the graduate program credit

requirement by taking the course of “Teaching Technique Practice”.

6. 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.