數據科學與工程研究所

114 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須於本所修業二學期
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。
應修(應選)課程及符合畢業資格之修課相關規定	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. 在學期間須修習且通過一門本院研究所開授或認可之英文授課專業課程。（研討類型之課程與已抵免之課程除外）。 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或本院非專業課程，須於加退選截止前填寫『碩士生修習非本學院專業課程申請書』，經指導教授及所長同意後方得計入畢業學分，逾期者應於補繳後一個月內服義務工讀三小時。 5. 碩士生應於提出學位口試前通過本院認可之程式檢定考試，或修畢本系「資料結構與物件導向程式設計」或「計算機概論與程 式設計」兩科中至少一科且學期成績達 A-，方得提出碩士論文口試申請(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)。 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。 7. 碩士生入學後，第一學期須至本校網路教學平台修習「性別平等教育線上訓練課程」；因故未能完成者，須於畢業前補修完成，始得畢業。 8. 未於修業期限內通過學位考試或未能完成應修課程者，應令退學。

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

Academic Year 2025

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	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 'Individual 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 graduate-level professional course taught in English offered or approved by the college of Computer Science (hereinafter referred to as the College) during his/her study at NYCU (Note: Except seminar courses and transfer credits.) 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 or institutions at NCTU. 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 add or drop period 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. In the case of overdue, students must perform duty as student workers without pay for three hours and no later than one month after the application. 5. Master students must pass the Collegiate Programming Exam recognized by the department before permitted to apply the oral defense. Students who cannot meet the requirements must pass either of the courses "Data Structures and Object-oriented Programming" and "Introduction to Computers and Programming" with a score of A- before permitted to apply the oral defense. (Students who have passed the Collegiate Programming Exam given by the department during undergraduate years may waive the requirement. 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. 7. Students shall take "Gender Equity Education Online Training Course" during their first semester at NCTU through the University's online learning platform. Those who fail to complete the course for some reason must complete it before graduation in order to graduate. 8. Student who fails to pass the oral defense or complete all required courses within the maximum period of study must drop out of NCTU