科技管理研究所碩士班

108 學年度

最低修業年限	一年
應修學分數	39 學分（含 3 學分碩士論文研究）
應修（應選）課程及符合畢業資格之修課相關規定	一、修滿四門先修課程：統計學、經濟學、企業管理/管理學、會計學、或其他相似課程通過抵免，但不列入畢業學分。 二、本所必修及必選課程如後： 　1.必修課程 15 學分： 　　(1)國際行銷（3 學分）(2)企業政策與策略管理（3 學分）(3)財務策略與管理（3 學分）(4)產業分析與創新（3 學分）(5)碩士論文研究（3 學分） 　2.必選課程 3 學分：一門數量方法相關課程（見備註） 三、科技管理專題研討（每學期必修，前三學期每學期 1 學分，第四學期 0 學分）。 四、選修 18 學分，其中 6 學分可至他系所（含國外大學）選修。外籍生選修本所以外開授之課程可由所務議通過。 五、　通過畢業論文口試，並繳交畢業論文。
備註	數量方法課程包括：科管研究方法、多變量分析、迴歸分析、時間序列、作業研究、科學計算、企業決策之計量方法、多目標決策分析、企業調查與研究方法、應用計量經濟學、巨量資料分析。

Institute of Technology Management Master Degree

Academic Year 2019

Minimum Term of Study	One Year
Minimum Credits	**39** Credits（3 credits MBA Thesis included）
Curriculum and Regulations	I.　Prerequisites: Undergraduate level courses: Statistics, Economics, Management or Business Management and Accounting. Not included in the 42 graduation credits. II.　Required Courses and Required Elective Courses： 　1.　Required Courses 15 Credits： 　　(1)International Marketing（3 credits）(2)Bussiness Policy & Strategic Management（3 credits） 　　(3)Financial Strategies and Management（3 credits）(4)Industry Analysis and Innovation（3 credits）(5)MBA Thesis（3 credits） 　2.　Required Elective Courses (3 credits)： 　　One quantitative methodology related course is required. III.　Seminar on Management of Technology : (3 credits, required each semester, three semesters 1 credit each semester, the fourth semester 0 credits, may take other courses (3 credits) instead）。 IV.　Elective Course (**18** credits，six of these credits can be obtained by taking courses in other NCTU departments / institutes or accredited foreign institutions) V.　Passing the Oral Defense for a Thesis and four hard copies of the thesis should be submitted。
Remark	Required elective courses include：Research Methods in MOT, Multivariate Statistics, Regression Analysis, Time Series, Operations Research, Scientific Computing, Quantitative Methods for Business Decision, Multiple Criteria Decision Making, Business Survey and Research, Applied　Econometrics, Big Data Analysis.

科技管理研究所博士班
108 學年度

最低修業年限	二年
應修學分數	27 學分(含 3 學分博士論文研究)
逕博應修學分數	54 學分
應修（應選）課程及符合畢業資格之修課相關規定	一、於第一學年修業期間必修研究方法(博士班)3 學分。 二、博士論文研究(3 學分)。 三、國內外學術期刊各發表一篇論文。 四、通過博士班資格考試與論文計劃書口試。 五、通過畢業論文口試，並繳交畢業論文。
備註	1. 碩士班必修課(4 門，不含碩士論文研究)、必選課程(1 門)及先修課(4 門)皆為博士班研究生先修課程，但不計入博士畢業學分。 2. 碩士班必修及必選課程，請參照本所本年度「碩士班入學學生適用之修課規定」。 3. 其他未盡事宜，依本所『博士班研究生修業規章』辦理。

Institute of Management of Technology Ph.D. Program
Academic Year 2019

Minimum Term of Study	Two years
Minimum Credits	27 Credits (include Doctoral Dissertation 3 Credits)
Doctoral direct Entry Minimum Credits	54 Credits
Curriculum and Regulations	I. Advanced Research Methods 3 Credits in 1 Academic Year. II. Doctoral Dissertation (3 credits)。 III. Publication Requirement : two dissertation-related papers which should include at least one paper in the SSCI or SCI journals. IV. A student who passes the PH.D. qualifying examination and oral examination for a dissertation Proposal.. V. A PH.D. dissertation should be submitted after passing the degree examination.
Remark	I. Prerequisites: Undergraduate level courses: Statistics, Economics, Management, and Accounting. II. Prerequisites: Graduate level courses: International Marketing, Business Policy & Strategic Management, Financial Strategy & Management, One graduate-level quantitative course. III. Items not stated herein are subject to the NCTU Master and Ph.D. Degree Awarding Regulations.