

# 科技管理研究所碩士班

106 學年度(106.12 修訂)

最低修業年限	一年
應修學分數	<b>39</b> 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	<p>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。</p> <p>二、本所必修及必選課程如後：</p> <p>1. 必修課程 15 學分：</p> <p>(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)</p> <p>2. 必選課程 3 學分：一門數量方法相關課程 (見備註)</p> <p>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)。</p> <p>四、選修 <b>18</b> 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。</p> <p>五、通過畢業論文口試，並繳交畢業論文。</p>
備註	<p>一、數量方法課程包括：<u>科管研究方法</u>、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、<u>巨量資料分析</u>。</p>

## Institute of Technology Management Master Degree

Academic Year 2017

Minimum Term of Study	One Year
Minimum Credits	<b>39</b> Credits (3 credits MBA Thesis included)
Curriculum and Regulations	<p>I. Prerequisites: Undergraduate level courses: Statistics, Economics, Management or Business Management and Accounting. Not included in the 42 graduation credits.</p> <p>II. Required Courses and Required Elective Courses :</p> <p>1. Required Courses 15 Credits :</p> <p>(1) International Marketing (3 credits) (2) Business Policy &amp; Strategic Management (3 credits)</p> <p>(3) Financial Strategies and Management (3 credits) (4) Industry Analysis and Innovation (3 credits) (5) MBA Thesis (3 credits)</p> <p>2. Required Elective Courses (3 credits) :</p> <p>One quantitative methodology related course is required.</p> <p>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) .</p> <p>IV. Elective Course (<b>18</b> credits , six of these credits can be obtained by taking courses in other NCTU departments / institutes or accredited foreign institutions)</p> <p>V. Passing the Oral Defense for a Thesis and four hard copies of the thesis should be submitted .</p>
Remark	<p>I. 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, <u>巨量資料分析</u> . .</p>

# 科技管理研究所博士班

106 學年度(106.12 修訂)

最低修業年限	二年
應修學分數	<b>27</b> 學分(含 3 學分博士論文研究)
逕博應修學分數	<b>54</b> 學分
應修(應選)課程及符合畢業資格之修課相關規定	<p>一、於第一學年修業期間必修研究方法(博士班)3 學分。</p> <p>二、博士論文研究(3 學分)。</p> <p>三、國內外學術期刊各發表一篇論文。</p> <p>四、通過博士班資格考試與論文計劃書口試。</p> <p>五、通過畢業論文口試，並繳交畢業論文。</p>
備註	<p>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。</p> <p>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」。</p> <p>3. 其他未盡事宜，依本所『博士班研究生修業規章』辦理。</p>

## Institute of Management of Technology Ph.D. Program

Academic Year 2017

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