

# 太空系統工程研究所

112 學年度(113.05.20修訂)

最低修業年限	一年
應修學分數	30 學分
應修（應選）課程及符合畢業資格之修課相關規定	<p>1. 修業期間每學期均應修讀書報討論課程（雙聯學位及經本校核可出國進修者，在國外修業期間除外）。但修業超過四學期仍未畢業者，得最多修四學期之書報討論課程。</p> <p>2. 須修畢本所開設之4門必修課程（共12學分）及學位論文研究課程2門（共6學分），其餘選修課程，須依指導教授指示或徵得其同意，始可選修相關課程。畢業論文必須以校內外實作或實習、法人或研究機構及產業參與或合作模式呈現。</p> <p>必修專業課程(兩個領域中選4門，每個領域須至少各佔1門，共12學分)：</p> <p><b>系統工程領域：</b></p> <ol style="list-style-type: none"> <li>（二選一）系統建模與模擬-或-風險分析</li> <li>複雜系統專案管</li> <li>系統工程導論</li> </ol> <p><b>太空工程領域：</b></p> <ol style="list-style-type: none"> <li>太空任務與系統設計</li> <li>（二選一）任務和系統設計認證確認-或-太空系統整合</li> <li><b>高效益太空任務營運</b></li> </ol>
備註	<ol style="list-style-type: none"> <li>碩士生於入學第一學期結束前，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」，並通過課程總測驗成績達及格標準。未通過總測驗之學生，不得申請學位考試。</li> <li>碩士生入學後第一學期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。</li> <li>其他未盡事宜，依據本所「修業規章」辦理。</li> </ol>

# Institute of Space Systems Engineering

Academic Year 2023

Minimum Term of Study	One year
Minimum Credits	30 credits
Curriculum and Regulations	<ol style="list-style-type: none"><li>1. A student should take the course of "Seminar" in every semester during the study period (except for the study period spent abroad by the student pursuing a double degree and approved by the University to study abroad). If the student has not yet graduated but his/her study period exceeds four semesters, the student can take the course of "Seminar" for four semesters at most.</li><li>2. A student must take 6 credits of Master Thesis.</li><li>3. A student must take at least 4 courses (12 credits) from the two domains listed below:</li></ol>
	<p><b>Systems Engineering Domain</b></p> <ol style="list-style-type: none"><li>1. Systems Modeling &amp; Simulation or Decision and Risk Analysis</li><li>2. Management of Complex Systems</li><li>3. Fundamentals of Systems Engineering</li></ol> <p><b>Space Engineering Domain</b></p> <ol style="list-style-type: none"><li>1. Designing Space Missions and Systems</li><li>2. Mission and System Design, Verification and Validation or Space systems Integration</li><li>3. Cost-Effective Space Mission Operations</li></ol>
Note	<ol style="list-style-type: none"><li>1. 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><li>2. Students should take "Gender Equity Education Online Training Course" through the University's online learning platform during their first semester. Students who don't pass the course for some reason must complete it before graduation.</li><li>3. Anything which is not being noted in this document shall be coped with in accordance with the "Regulations of Master Program" of the Institute.</li><li>4. The Chinese version of the document shall prevail in case of any discrepancy or inconsistency between Chinese version and its English translation.</li></ol>