太空系統工程研究所

115 學年度

最低修業年限	一年
應修學分數	24 學分
應修（應選）課程及符合畢業資格之修課相關規定	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。 2. 須修畢本所開設之2門必修課程（共6學分）及核心選修課程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。
	1. 必修系統工程導論及系統工程實作課程2門(共6學分)： (1). 系統工程導論 (2). 系統工程實作 2. 核心選修課程(選修)： (1). 複雜系統專案管理 (2). 太空任務與系統設計 (3). 衛星工程與光學酬載 (4). 微波系統設計 (5). 電推進系統與電漿應用 (6). 太空電漿物理與輻射防護 (7). 自旋電子感測與智慧計算 (8). 高焓電漿與極音速環境測試技術 (9). 電磁學 (10). 天線原理與設計 (11). 衛星通訊系統
備註	1. 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。 2. 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。 3. 其他未盡事宜，依據本所「修業規章」辦理。

Institute of Space Systems Engineering

Academic Year 2026

Minimum Term of Study	One year
Minimum Credits	24 credits
Curriculum and Regulations	1. During the period of study, students must take a seminar (journal/book review) course every semester (except for those in dual-degree programs or approved by the university to study abroad during their period of overseas study). However, students who have studied for more than four semesters and have not yet graduated may take the seminar course for up to four semesters in total. 2. Students must complete two required courses offered by the Institute (total of 6 credits) and two core elective courses (total of 6 credits). Other elective courses must be taken in accordance with the advisor's instructions or with the advisor's prior approval. The master's thesis must be presented in the form of practical work or internship conducted on or off campus, or through collaboration/participation with legal entities, research institutions, or industry.
	1. Two required courses (Total 6 credits): (1). Fundamentals of Systems Engineering (2). Systems Engineering Practice **2. Core elective courses (to be taken as electives):** (1). Complex Systems Project Management (2). Space Mission and System Design (3). Introduction to Satellite System Engineering with Optical Payload (4). Design of Microwave Wireless Systems (5). Electric Propulsion and Plasma Applications (6). Space Plasma Physics and Radiation Protection (7). Spintronics for Sensing and Computing (8). High-Enthalpy Plasma and Hypersonic Environment Testing Techniques (9). Electromagnetics (10). Antenna Theory and Design (11). Satellite Communications Systems
Note	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. 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. 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. 4. The Chinese version of the document shall prevail in case of any discrepancy or inconsistency between Chinese version and its English translation.