航空科技研究所課程地圖 核心選修/學分(至少9學分) Core Elective Courses(At least 9 courses) 專業必修/學分(4學分) Required Courses 航空法制實務專論 運輸規劃實務專論 複合材料特論 工程材料特論 Special Topics on Transportation Planning and Design Special Topics on aviation legal system pecial Topics in Engineering Materials Special Topics in Composite Materials 書報討論(一) 書報討論(二 Seminar(1) Seminar(2) 航空安全實務專論 國際物流實務專論 結構有限元素法 電腦輔助工程 Special Topics on Aviation Safety Special Topics on International Logistics 民航組 工程組 Finite Element Analysis **Computer Aided Engineering** 書報討論(三 書報討論(四) 航空經營實務專論 Special Topics on Low Cost Carrier Management 旅客行為實務專論 高等流體力學 高等工程數學 Special Topics on Passenger behavior Seminar(4) Seminar(3) Advanced Fluid Mechanics **Advanced Engineering Mathematics** Engineering **Aviation** 場站經營實務專論 S變量分析理論與應用 Special Topics on Airport Operation Special Topics on Marketing Managemen Iltivariate Analysis and Applications and Management in Air Transport 其他選修/學分 Other Elective Courses **Featured Elective Courses** 高分子材料特論 Special Topics on Polymer Materials 黏性彈性力學 Route B Visco-Elastitity 獨立研究(一) Independent Study (1) 產業研發實習(一) R&D Oriented Internship (1) 綠色材料專論 振動學導論 Special Topics on Green Materials Introduction to Vibration Analysis 產業研發實習(二) R&D Oriented Internship (2)

非破壞檢測專論 pecial Topics on Non-destructive Detection

衛星科技與工程導論 ntroduction to Satellite Technology and Engineering

奈米技術專論 Special Topics on Nanotechnology

高等材料力學 Advanced Mechanics of Materials

高等電腦輔助設計 Advanced Computer Aided Design and Manufacturing

人工智慧專論 Special Topics on Artificial Intelligence

飛航事故調查實務 Aviation Occurrence Investigation

航空器性能導航 Performance-based Navigation

航空氣象學專論 Special Topics on Aviation Meteorology

獨立研究(二) Independent Study (2)

進路A、B皆可有條件修習 Both Route A and Route B can study

產業研發實習(三) R&D Oriented Internship (3)



航空產業專業人員

研發工程師

航太工程師

機械工程師

製程工程師

Aviation Industry Professionals R&D Engineer

Aeronautical Engineer Mechanical Engineer Process Engineer

畢業學分 31 學分 (含碩士論文6學分)

31 Credits (incl. 6 credits on master-degree seeking theses)