

綠能科技與永續治理研究所博士班課程地圖 (2023)
Graduate Institute of Green Energy and Sustainable Technology (2023)
Course Map of Doctoral Program

必修課程 (1+1+1 學分) Required courses (1+1+1 credits)

書報討論 1 (碩博) (每學期 1 學分，共需 3 學期)
 Seminar (one credit for each semester, total credits needed is 3.)

選修課程 (至少 12 學分) Elective courses (at least 12 credits)

領域核心選修課程 Core Courses for Each Groups

Group I: 生技發酵能源組 Energy from Biotransformation	Group II: 能源開發與儲能科技組 Energy Development and Storage Technology	Group III: 綠色能源應用工程組 Applied Engineering for Green Energy
酵素化學與綠能科技 3 (碩博) (Green Energy Technology and Enzyme Chemistry) 發酵產業與發酵工程 3 (碩博) (Fermentation Industry and Fermentation Engineering) 發酵技術實作 3 (碩博) (Practice of Fermentation Technology)	太陽能 3 (碩博) (Solar Photovoltaic Systems) 儲能系統與節能科技 3 (碩博) (An Introduction to Energy Science and Technology) 氫能開發與儲存 3 (碩博) (Hydrogen Energy Development and Storage)	車輛替代燃料 3 (碩博) (Vehicle Alternative Fuels) 綠能車輛技術與發展 3 (碩博) (Green Energy and its Technologies on Intelligent Vehicles) 綠能系統電力電子設計 3 (碩博) (Power Electronic for Green Energy Systems)

其他選修課程 Other Elective courses

產業實習 3 (碩博) Industry Internship
 能源科技概論 3 (碩博) Introduction to Energy Technology
 永續管理研究 3 (碩博) Sustainable Management Research
 再生能源 3 (碩博) Renewable Energy
 能源材料簡介 3 (碩博) Materials For Energy Applications
 智慧電網 3 (碩博) Smart Grid
 碳捕捉與轉質實務 3 (碩博) Practice of Carbon Capture and transformation
 綠能應用軟體與程式設計 3(碩博) Application Software and Program Designs for Green Energy Systems

自由選修課程 (至少 3 學分)
Other elective courses (at least 3 credits)

非本所開設之大碩以上課程

畢業最低總學分：18 學分
 Minimum credits for graduation: 18 credits