2023/2024 陽明交通大學土木工程學系&美國聖地牙哥加州大學(UCSD)結構工程學系 3+2 雙聯學位開放申請

一、UCSD 學校簡介
美國聖地牙哥加州大學(University of California, San Diego)成立於 1960 年，為美國一所以研究科學為主，且學術聲望非常高的研究性公立大學，被譽為「公立常春藤」之一，同時也是美國重要的學術聯盟美國大學協會的成員。截至 2018 年 10 月，聖地牙哥加州大學的校友、教授及研究人員中，共有二十七位諾貝爾獎得主、三位菲爾茲獎得主、八位美國國家科學獎章得主、八位麥克阿瑟獎得主和兩位普立茲獎得主。

二、3+2 雙聯學位簡介
本系與 UCSD 結構工程學系於 2020 年 7 月簽署合約，本系大三學生可於大三時提出申請，於大四時前往 UCSD 結構工程學系攻讀為期 2 年的碩士學位。在滿足本校畢業條件後，學生可取得陽明交通大學土木工程學系學士學位，第五年繼續至 UCSD 就讀碩士課程，於滿足 UCSD 畢業條件後，獲 UCSD 結構工程學系碩士學位。

三、申請資格
1. 身分：(1)現為本系在學大三學生 (2)大三結束時需修畢所有本系必修學分
2. 成績：歷年成績(需含大三第一學期成績)達 GPA 3.25 以上(請自行換算：UCSD 的 GPA 分母為 4.0；陽明交大系統為 4.3)。
3. 外語能力：具托福 IBT 85 分以上、托福紙本測驗 550 分以上、或 IELTS 7.0 以上成績。

四、申請方式及報名日期
兩校所需資料不同，請分別繳交。
本系指定資料請繳交至土木系辦(繳交截止日期：**2023 年 2 月 19 日**)，經審核合格者並需另外完成 UCSD 線上申請程序。

五、申請所需資料
陽明交大土木系：
1. 申請表(請下載附件)
2. 本校歷年英文成績單(含 GPA 成績)
3. 外語成績證明(托福或雅思)

UCSD：(線上申請連結待公布)
1. 申請表

2. 本校歷年成績單(GPA 3.25 以上)
3. 讀書計畫(Statement of Purpose Essay)
4. 兩封推薦信(由本校老師撰寫)
5. 外語能力證明(托福 IBT 85 分以上、托福紙本測驗 550 分以上、或 IELTS 7.0 以上成績。)

六、申請重要時程

即日起~2/19	繳交本系所需文件至系辦
將通知申請者	本系公布獲提名者之名單
將通知申請者	獲提名之學生至 UCSD 網站申請截止日
將通知申請者	UCSD 審核名單、進行面試
將通知申請者	UCSD 通知本系獲選學生名單

七、參考文件
欲申請之同學，請先參考附錄：預估費用、修課規定、學生守則。

八、獎學金資訊
楊信獎學金(J Yang Scholarship)
此獎學金由成功旅美企業家楊信董事長所成立的楊信家族基金會提供，目的在於鼓勵位於南加州的頂尖大學積極招收臺灣學子就讀，或者與臺灣各大學進行研究合作。UCSD 獲得每年 30 萬美元，5 年計 150 萬美元捐款，校方特表重視並致力提供對等基金 150 萬美元，再加上行政管理費用，共提出對等配合款 163 萬 7,500 美元，合計 313 萬 7,500 美元。UCSD 計劃在 5 年期間建立一個雙邊合作計畫網絡，包括提供臺灣研究生獎助（每年 45 萬），以及與臺灣學術交流（雙向學生研習/實習、教師赴臺交流及年度雙邊會議 3 項，每年 15 萬）的二大方向下，共規劃 4 項計畫(新聞：https://ucsdnews.ucsd.edu/pressrelease/j-yang-scholarship-program-to-be-established-at-uc-san-diego-with-1.5m-gift)。提供臺灣學子之獎學金機會，請參考 https://iem.ucsd.edu/programs/j-yang-scholarship/index.html?_ga=2.218373596.497170516.1670482515-1519553464.1666231007#2020。

Addendum A
Projected Program Fees for 2020 - 2021
Prepared for National Chiao Tung University

UC San Diego Tuition and Fee Chart Year 1 (2020 – 2021)

Fee Description	9 Months
Tuition and Fees	$43,953.00
Living Expenses (estimated)	$ 17,706.00
Other: Books and Supplies (estimated)	$ 1,100.00
TOTAL COSTS	**$62,759.00**

UC San Diego Tuition and Fee Chart Year 2 (2021 - 2022)

Fee Description	9 Months
Tuition and Fees	$32,309.00
Living Expenses (estimated)	$18,177.00
Other: Books and Supplies (estimated)	$ 1,371.00
TOTAL COSTS	**$51,857.00**

Current Fees are posted at the following web site and are subject to change:

https://ispo.ucsd.edu/prospective-students/costs-undergrad-students.html

Health Insurance is required for all students. Structural Engineering or its partners will share information regarding health insurance providers prior to students' arrival to the U.S.

Notes: *Fees listed above are based on 2020 budgets, and costs are subject to change.*

Information on this form is accurate as of February 2, 2021

Addendum B

Curriculum

The Department of Civil Engineering at NCTU does not require any specific courses for students in their final year of undergraduate studies. Table 1 outlines a recommended course schedule for students to follow during their first year in the Program. All courses are 4 credits unless otherwise noted.

Table 1: Sample Course Schedule for Students in the First Year of the Program

Fall Quarter	Winter Quarter	Spring Quarter
SE 180 – Earthquake Engineering	SE 103 – Conceptual Structural Design	SE 184 – Ground Improvement
SE 121A – Intro to Computing for Engineers	SE 121B – Computing Projects in Structural Eng.	SE 131 – Finite Element Analysis
SE 199 – Independent Study	SE 199 – Independent Study	SE 199 – Independent Study
SE 264 – Sensors & Data Acquisition	**SE 203 – Structural Dynamics**	**SE 214 – Masonry Structures**

Courses in bold are graduate courses, and these credits will not be transferred to NCTU. These units will count towards the student's UC San Diego M.S. degree requirements as 12 units of Credit Waived based upon the Student's UCSD Undergraduate Record. Waived course work will not be included in calculating a student's grade-point average. Courses counted towards the student's NCTU B.S. degree requirements cannot be counted towards UC San Diego M.S. degree requirements.

The Department of Structural Engineering at UC San Diego, at the time of signing this agreement, offers three M.S. degree options:
- M.S. in Structural Engineering
- M.S. in Structural Health Monitoring & Nondestructive Evaluation
- M.S. in Geotechnical Engineering

Students pursuing an M.S. degree in Structural Engineering or Geotechnical Engineering are required to complete 48 units of courses for graduation. Students can

elect either the "Coursework" or "Thesis" option. For the Coursework plan, all 48 units of credit must consist of regular courses (12 courses in total). For the Thesis plan, 36 units (9 courses) from regular courses are required, with the remaining 12 units being graduate research for the M.S. thesis. Graduate research culminates with the preparation of a written research thesis, and the thesis must be successfully defended in an oral and public presentation conducted by a committee of three faculty members.

Students pursuing an M.S. in Structural Health Monitoring & Nondestructive Evaluation are required to complete 36 units of courses for graduation, which is designed to be a one-year program. Students can elect either the "Coursework" or "Thesis" option. For the Coursework plan, all 32 units of credit must consist of regular courses (8 courses in total) and a mentored independent study (SE 296) capstone course. For the Thesis plan, 28 units (7 courses) from regular courses are required, with the remaining 8 units being graduate research for the M.S. thesis. Graduate research culminates with the preparation of a written research thesis, and the thesis must be successfully defended in an oral and public presentation conducted by a committee of three faculty members.

Students who elect the Thesis plan can begin their thesis research as soon as they arrive UC San Diego.

Addendum C
Student Dismissal Guidelines

Participants are subject to the policies and regulations of UC San Diego. UC San Diego reserves the right to request the return of any student to that student's Home Institution at any time when the student's academic performance or conduct is considered unsatisfactory. UC San Diego will inform the Home Institution immediately if a participant withdraws from the student mobility program, fails to make satisfactory progress or is in danger of being dismissed from UC San Diego for performance or behavioral reasons. The standard for minimum progress at UC San Diego is a 2.0 cumulative GPA for undergraduate students and 3.0 for graduate students. Failure to maintain the standard may result in academic disqualification from the Program, including the barring of enrollment in future quarters. UC San Diego, in consultation with the Home University, may prohibit a student from further participation in Program.

For any student dismissed from the Program due to academic disqualification or student conduct, readmission will not be allowed.

Students in the Program will abide by the UC San Diego Student Code of Conduct (found here: https://students.ucsd.edu/student-life/_organizations/student-conduct/regulations/22.00.html) and the Policy on Integrity of Scholarship (found here: https://academicintegrity.ucsd.edu/process/policy.html).

國立陽明交通大學土木工程學系學生赴海外姊妹校
修習雙聯學位申請表

Application Form for Dual/Joint Degree Program

Department of Civil Engineering, National Yang Ming Chiao Tung University

雙聯學位相關資料 Dual/Joint Degree Program	
申請學校 School You Intend to Apply	
起始學年度 Starting Academic Semester and Year	_____年_____季班 _____Year_____Semester
欲申請出國期間 Intended Period Abroad	___年/yyyy___月/mm～ ____年/yyyy___月/mm

申請者資料 Applicant Information			
中文姓名 Name in Chinese		性別 Gender	□男 □女 Male　Female
英文姓名(同護照) Name in English (as shown in Passport)		出生年月日 Date of Birth	_____/____/_____ 西元年 / 月 / 日 yyyy / mm / dd
國籍 Nationality		身分證字號 ID or ARC No.	
學號 Student ID Number		手機 Cellphone Number	
電子郵件 Email			
通訊地址 Mailing Address			
永久地址 Permanent Address			

大一至今平均 GPA Year 1 ~Now Average GPA	
語言成績 Language Proficiency	☐托福/TOEFL iBT Score ___ ☐托福紙本/TOEFL Paper Score ___ ☐雅思/IELTS Score ___ ☐其他 Others ___
申請者須備資料 Documents Required	
☐英文歷年成績單 Full Transcripts ☐語言能力證明/Language Test Score	
申請人簽章 / 日期 Applicant's Signature / Date	