

## 國立臺灣大學 生醫電子與資訊學研究所

工程學群、資訊學群

是否經教育部查核被列為持續列管或不通過：通過

師資質量是否達「專科以上學校總量發展規模與資源條件標準」附表五所定基準：已達所定基準

年齡限制：不限 性別限制：不限

全英語授課：否

National Taiwan University, Graduate Institute of Biomedical Electronics and Bioinformatics  
Engineering Group. Information Group.

Birth Date Limit: No Gender Limit: No

Courses Conducted in English: No

系所代碼	聯招名額	是否單招
50171	7	否
系所簡介		

生醫電子與資訊學研究所成立於2006年8月1日，隸屬於電資學院的跨領域研究所。本所的獨特性在於生物醫學、電機與資訊的三大領域的結合，並進行生物醫學之前瞻研究及跨領域教學。本所教育目標致力於培養生醫工程與科學之領袖人才，透過跨領域團隊合作、生命關懷與專業訓練，開創生醫工程與科學之新領域，應用電資科技，改善人類健康與生活品質。

#### 研究重點

本所研究著重於提升跨領域的研究及教學，以因應生物醫學科技的快速發展，這些研究領域有生醫電子、分子／細胞／組織影像，生醫訊號處理、生醫光電、感測器、生醫晶片、電腦輔助診斷、生物資訊學、系統生物學以及醫學資訊學等。本所亦重視前瞻課題之研究，包括後基因體時代之生物資訊研究、奈米生醫科技及高齡化社會所需之醫療科技等領域，並整合研究團隊進行跨領域的科技研發。

The Graduate Institute of Biomedical Electronics and Bioinformatics (BEBI) at National Taiwan University (NTU) was founded on August 1, 2006. It is unique among the departments in the College of Electrical Engineering and Computer Science. The primary mission of BEBI is to promote interdisciplinary research and education in response to the rapid advancements in biotechnology. The overarching goal of our institute is to cultivate intellectuals and leaders in biomedical engineering and biomedical science through preparation in such areas as interdisciplinary teamwork, professional training, application of electronic technology, and improvement of quality of life.

#### Research

BEBI's research focus on enhancing the quality of interdisciplinary academic study and coping with the rapid developments in biotechnology in recent years. The fields of study include, but are not limited to, Biomedical Electronics, Molecular/ Cell/Tissue Imaging, Biomedical Signal Processing, Biophotonics, Sensors, Microarray and Next generation sequencing analyses, Computer-Aided Diagnostics, Bioinformatics, Systems Biology, and Medical Informatics. We also focus on prospective academic studies, including Bioinformatics Research in the Post-Genomic Era, Nano Biomedical Technology, and Medical Science, as well as on the technology required for a progressively aging society, by integrating research teamwork through interdisciplinary research and development.

#### 個人申請繳交資料說明

1. 最高學歷證明(必)：需繳交最高學歷證明一份。
2. 大學歷年成績單正本(必)：需繳交大學歷年成績單正本一份。
3. 學習研究計畫書(必)：1. 務必註明申請組別為生醫電子組或生醫資訊組。2. 務必說明「申請動機」(statement of purpose)或是個人陳述(personal statement)，(限定一頁以內)。內容包含：一、個人特質與經驗：著重在適合就讀本所之處、有哪些過去學經歷或經驗讓你決定申請本所、為了能進入本所就讀所做的準備等。如果曾遭遇逆境，也可以說明。二、個人對未來的期待：如果進入本所就讀，想要投入的研究領域、學習或精進的專業知識與技能、獲得的經驗/訓練等，以及畢業後的職涯規劃等。
4. 師長推薦函(必)：1封師長推薦信函。  
上傳電子檔方式：學生自行上傳或是學生以email邀請師長上傳。
5. 單一學系審查費繳費證明(必)：本校單一學系審查費為新臺幣1500元。  
(1) 請至本校國際事務處招生網頁：<https://admissions.ntu.edu.tw/>申請臺大/僑港澳學位生申請/  
(2) 登入「僑生個人申請審查費繳費系統」，並以信用卡於線上完成繳費。

- (3) 繳費完成後，請列印繳費證明或收據，並上傳至海聯報名系統。
- (4) 未完成繳費、或未上傳繳費證明者，視同審查資格不符。審查費一經繳交，概不退還。

6. 其他有利審查之資料(選)：其他有利審查之資料。

7. 自傳(必)：自傳(Autobiography)／履歷 (Resume) (限定一頁以內)。建議搜尋並參考新鮮人履歷撰寫指南，內容包含：一、學歷：大專以上(含畢/肄業)，包含學校、科系、在學時間等。二、經歷：跟就讀本組(電資學院生醫電子組)有關為主，包含(但不限於) 1. 條列相關專業知識與技能。2. 專題研究或製作經驗：如課程內或整學期(年)專題、競賽經驗等，請說明題目、主要工作內容、成果等。3. 社團：參加大型活動、擔任幹部工作、主持或舉辦活動經驗等。4. 實習、工作經驗。

8. 語文能力說明或相關證明文件(必)：須繳交相當於 CEFR (基礎級) A2 (含) 以上之中文能力證明(如：TOCFL L2、HSK 4)。\*中文能力證明免繳條件：-- 母語為中文之申請者免繳(需提供中文背景自述信) -- 前一學位為中文授課之申請者免繳(需提供證明) -- 前一學位為主修中文之申請者免繳(需提供證明)

1. Proof of highest education degree(required)：Certificate of Degree / Diploma is a mandatory document.

2. Original copy of the Past years' university transcripts(required)：Transcript is a mandatory document.

3. Study Plan and Research Proposal(required)：1. Applicants should be Indicated in Biomedical Electronics Group or Bioinformatics Group. 2. Statement of purpose or personal statement (limited to one page). Content includes: (1). Personal characteristics and experience: Focus on what makes you suitable for studying in our graduate. (2). Personal expectations for the future: any research field, professional knowledge and skills, or experience/training, etc., as well as career plans after graduation, etc.

4. Recommendation letter(s) from teachers(required)：1 letter of recommendation at least.

Upload File Method：Students upload file by themselves or invite teachers to upload with email

5. Proof of payment of the single department review fee(required)：The application fee is TWD 1,500 per department/graduate institute.

(1) Please go to the NTU OIA website: <https://admissions.ntu.edu.tw/apply/overseas-chinese-applications/>

(2) Log on to the NTU Application Fee Payment System for Overseas Chinese Student, and make your payment by online credit card.

(3) After the payment has been made, please print out the Proof of Payment or Receipt and upload it onto the University Entrance Committee for Overseas Chinese Students application system.

(4) Applications with unpaid fees or failure to upload the proof of payment will not be processed. After the payment is completed, no refund will be given under any circumstances.

6. Other documents that may benefit the review procedures(optional)：Other favorable review materials. (Eg. conference paper or journal paper.)

7. Autobiography(required)：Resume (limited to one page). It is recommended to refer to the

“Freshman Resume Writing Guide” , which includes: 1. Educational background: including school, department, period of school, etc. 2. Experience: mainly related to studying in the interested group, including (but not limited to) (1). Relevant professional knowledge and skills. (2). Special topic research or competition experience. (3). Societies: Experience in participating in any activities, serving as cadres, hosting or organizing activities, etc. 8. Certificate or relevant documents of language proficiency(required) : Chinese proficiency certificate: CEFR A2 (Waystage) or above E.g.: Test of Chinese as a Foreign Language (TOCFL): Band A Level 2 or Chinese Proficiency Test (HSK): Level 4 Chinese language test waivers : -- Not required for applicants whose native language is Chinese (self statement needed) -- Not required for applicants whose previous degree is taught in Chinese (proof required) -- Not required for applicants whose previous degree is majoring in Chinese (proof required)

## 國立臺灣大學 資料科學碩士學位學程

資訊學群、數理化學群

是否經教育部查核被列為持續列管或不通過：通過

師資質量是否達「專科以上學校總量發展規模與資源條件標準」附表五所定基準：已達所定基準

年齡限制：不限 性別限制：不限

全英語授課：否

National Taiwan University, Data Science Master Degree Program

Information Group. Mathematics, Physics and Chemistry Group.

Birth Date Limit: No Gender Limit: No

Courses Conducted in English: No

系所代碼	聯招名額	是否單招
501D3	1	否
系所簡介		