



國立臺灣大學
National Taiwan University



NTU

國立臺灣大學
2021-2022 HANDBOOK



01 數字臺大

DATA NTU



成立於西元
Established in

1928

32

碩博士學位學程
Master's and PhD Programs

139

研究所
Graduate Institutes

52

研究中心²
Research Centers

56

學系
Departments

16

學院¹
Faculties

1

附設醫院
Affiliated Hospital

3

專業學院
Professional Schools

註： 1. 含重點科技研究學院、創新設計學院、共同教育中心、國際學院、進修推廣學院
2. 包含國際級研究中心、國家級研究中心、校級研究中心。

Note: 1. Includes Graduate School of Advanced Technology, D-School, Center for General Education, International College, School of Professional Education and Continuing Studies

2. Includes International Research Centers, National-Level Research Centers, University-Level Research Centers

■ 學士生 Undergraduates

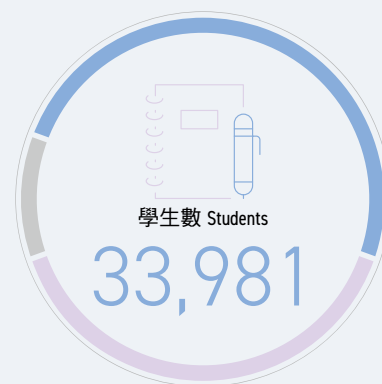
16,906

■ 博士生 Doctoral Students

3,772

■ 碩士生 Master's Students

13,303



■ 教師 Faculty

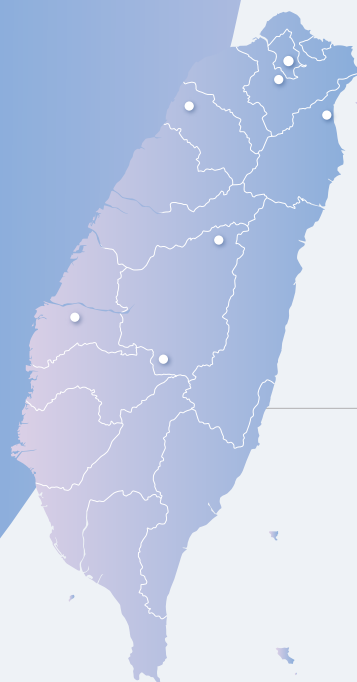
2,028

■ 職員與約用人員 Staff

1,560

■ 兼任教師 Adjunct Faculty

2,064



校地面積 Campus Area

34,152 公頃
ha

註：七大校區佔地全台 1% 土地面積

Note: NTU's seven campuses occupy 1% of the land of Taiwan

教育資源共享

華語 MOOCs 課程：
註冊人數超過 **110 萬**、
完課人數超過 **3.3 萬**。

OCW 開放式課程：
上線逾 **240** 門課程、
突破 **1,700 萬** 瀏覽人次。



圖書館館藏

圖書館館藏 **400 多萬** 冊圖書、**300 多萬** 冊電子書
13 萬 種期刊、資料庫 **600 多種**

國內首座圖書館「自動化書庫」自 2018 年 10 月正式啟用。
增加至少 **120 萬** 冊的高密度典藏空間，透過自動倉儲系
統可在 **2 分鐘** 內取出所需圖書。

註：期刊包含電子期刊及公開取用電子期刊等



國際連結

國際學生數 **4,187** 人、**82** 國

姊妹校 **633** 所

學生交換計畫數 **671**、涵蓋 **49** 國

註：國際學生包含僑生、陸生、國際學位生、雙聯學位生、交換訪問短期生、華語生等



研究表現

6 個學科領域排名
前 **50** 名

工程科技 40
自然科學 62
生命科學與醫學 80
社會科學與管理 69

QS 五大主領域排名：

藝術與人文 84



世界大學排名

2022 QS
世界大學排名
68

2022 泰晤士報
世界大學排名
113



Sharing of Educational Resources

Chinese Language MOOCs:
Over **1.1 million** registered students and
more than **33,000** courses completed.

NTU OCW:
Over **240** classes and more than
17 million visits.

Library Collection

The NTU Library collection includes over **4 million** physical books, **3 million** e-books,
and **130,000** periodicals, as well as access to more than **600** databases.

NTU Library launched the nation's first automated storage and retrieval system in
October 2018.

This system provides a high-density storage space sufficient to hold at least **1.2 million**
volumes. System users can obtain their desired volume within **2 minutes**.

Note: periodicals including digital periodicals and open access digital periodicals

Global NTU

4,187 international students from **82** countries

633 partner universities

671 student exchange programs in **49** countries

Note: International students including overseas Chinese students, students from China, international degree students, dual degree students, exchange/visiting/short-term students, and Chinese language students

Research Performance

Ranked in the
top **50** in **six** academic disciplines

Engineering and Technology 40
Natural Sciences 62
Life Sciences and Medicine 80
Social Sciences and Management 69

Rankings in QS's Five Main Areas

Arts and Humanities 84

World University Rankings

2022 QS
World University Rankings :
68

2022 The Times Higher Education
World University Rankings:
113



02 高階人才培育 Training High-Level Talent

逕行修讀博士學位學生研究提升計畫

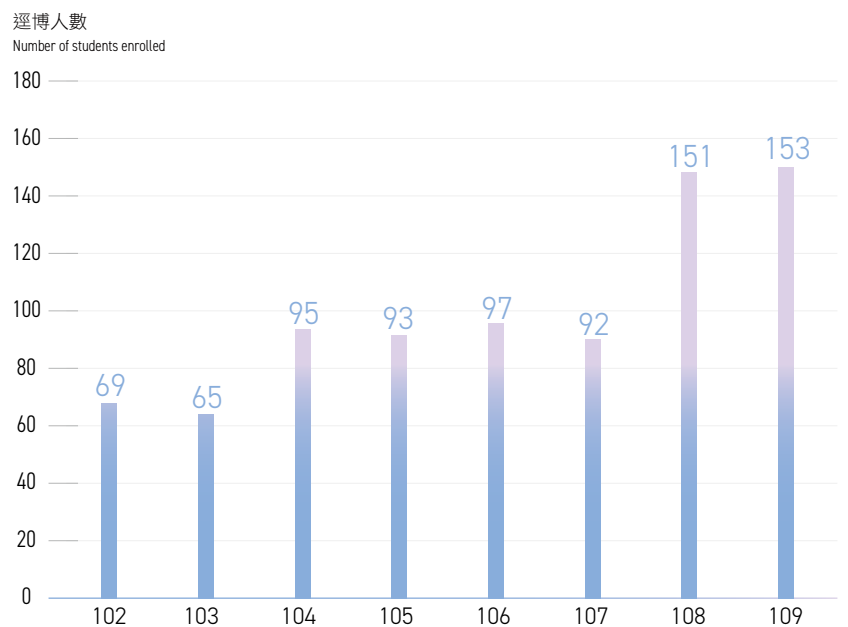
本校辦理「逕行修讀博士學位學生研究提升計畫」，補助逕行修讀博士學位學生每月 2.4 萬元，每生補助 3 年。本計畫亦開放臺灣大學系統學生申請，現已有學生獲核准入學就讀並領取補助。自 108 學年度起，本校逕修博士生人數已大幅成長至 150 人以上。

Strengthening Research of Students in Accelerated Doctoral Program

NTU's Accelerated Doctoral Program supports students enrolling in one of NTU's PhD programs directly after an undergraduate or graduate degree in the NTU System with a monthly stipend of NT\$24,000 for three years. This program has rapidly increased to more than 150 participants since the 2019 academic year.

102-109 學年度本校逕修博士學生人數統計

Number of Students in Accelerated Doctoral Program, 2013-2020



領域專長：有方向的探索，成就獨特的你

「領域專長」是臺灣大學近期課程改革的重點之一，110-1 學期共有 39 個教學單位推出 167 個領域專長。每個領域專長包含約 4-5 門課、12-15 學分，分別代表各個領域的核心能力、新興發展方向、跨域創新趨勢。

有別於發散式的選課清單，領域專長以模組的形式重新組合課程，每個專長都有明確的課程主軸，例如：物聯網、資訊安全、人工智慧。藉由這些主軸將原本發散的課程串聯起來，形成明確的組合，希望讓學生有方向地探索或跨域學習，儲備更紮實、多元的「學力」，為職涯發展或升讀研究所奠定基礎。修讀完後將於畢業時取得證書，成為每位學生專屬的學力證明。

Specialization Program: Purposeful and Unique Exploration

The Specialization Program is a key part of NTU's recent curriculum reforms. 167 specialization programs have been offered by 39 academic units since the first semester of the 2021 academic year, representing core competencies across disciplines, emerging fields of study, and cross-disciplinary trends. Each program consists of four to five courses, amounting to 12 to 15 credits.

Restructuring courses into modules, each specialization program has a clear theme, such as the Internet of Things (IoT), Cybersecurity, and Artificial Intelligence. Individual courses are connected via these modules to guide students in purposeful exploration and to encourage interdisciplinary learning. This, in turn, provides them with a solid foundation for career development or advanced research. To each student upon graduation, an official certificate is awarded to document the successful completion of a specialization program.



領域專長查詢系統
Specialization Program
Compass



領域專長懶人包
Quick Guide to the
Specialization Program



領域專長常見問答
Specialization Program
FAQ



39

教學單位
Academic units

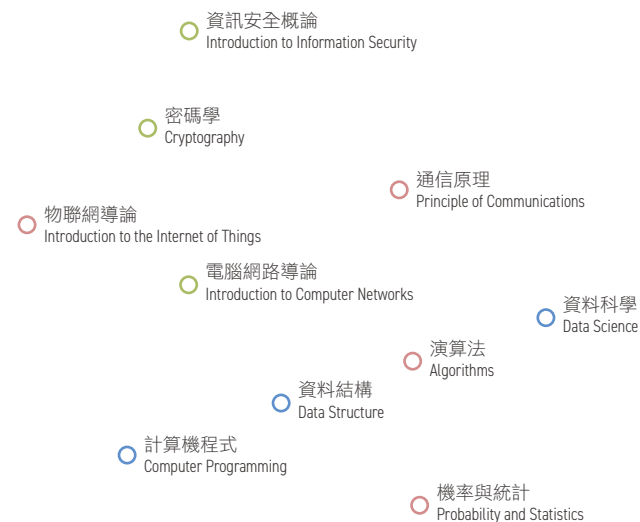
+

167

領域專長
Specializations

什麼是領域專長 What is the Specialization Program?

發散式
課程清單
Individual
Courses



明確
課程組合
Clear Course
Modules



03

臺灣大學新設立學院：國際學院 NTU Establishes the International College

國際學院正式成立

為培育具國際移動力的全球人才，臺大國際學院於今年(2021年)8月正式成立。國際學院的成立是臺大推展教育全球化的里程碑，設立目的為打造跨領域並具臺灣特色與學術強項的高教平臺，培育國際人才，並建構本校成為無國界校園。

國際學院發展策略

國際學院具體發展策略有三大方向，包含設立跨領域且全英語授課之「國際學位學程」，以國際跨域新議題為導向，強調學生的國際單位實習，培育具備國際移動力的專業人才；推展與國際夥伴學校之「華語文教學」合作計畫；及建立「無國界校園」，透過各項學術交流，進一步深化本校國際鏈結。

國際學位學程 ○
International Degree Programs

華語文教學 ○
Chinese Language and Culture Educational

無國界校園 ○
Campus without Borders

Official Launch of the International College

To cultivate global talent that is internationally mobile, NTU established the International College in August 2021. This marked a major milestone in NTU's efforts to promote globalized education. The objective is to build an interdisciplinary higher education platform that incorporates Taiwan's characteristics and academic strengths. As such, the International College aims to train global talents by transforming NTU into an omni-campus for all culture, creeds, and countries.

Development Strategy of the International College

There are three main development strategies of the International College. The first is to establish interdisciplinary international degree programs taught entirely in English. These programs focus on addressing current global topics, establishing internships at international organizations, and cultivating professionals with global mobility. The second strategy is to expand Chinese language and culture educational partnerships with schools overseas; and the third strategy is to build a campus without borders, including the use of academic exchanges to strengthen NTU's international ties.





博雅教學館內的穆斯林友善祈禱空間
Muslim prayer rooms in the Liberal Education
Classroom Building



圖書館內的穆斯林友善祈禱空間
Muslim prayer rooms in the library



線上文化活動：輔導員與國際學生交流
Online Cultural Activities:
Counselor and International Student Exchanges



國際短期課程輔導員透過線上與國際學生互動
Counselors for international short-term courses interact with
international students online

04

提供多樣性國際化課程 打造國際友善校園

Building a Cosmopolitan Campus by Offering Diverse International Courses

設計多樣性國際學位學程

本校針對近 1000 名國際學位生提供英語課程，學習內容兼重專業與實務，以應用為導向，強調實習與技術學習，並積極與國內外相關領域的業界合作，提供實習機會，協助學生將學涯與職涯緊密扣合。可用英文畢業的學位學程近 90 門，包括：土木工程學系、農業經濟學系、企業管理碩士專班 (GMBA)、全球衛生碩、博士學位學程等，其中「全球農業科技與基因體科學」與「生物多樣性」更為跨學院、跨領域的全英語碩士學位學程。

提供校園多元課程與活動 打造國際化友善校園

本校全英語授課課程數超過 1000 門，新增超過 10 國語言課程及英語授課補助，以增加多語言專業課程數量，提供學生多樣性選擇。

另為協助國際學生更適應臺大生活，本校自 109-2 學期開始，邀請 20 名教師加入國際生第二導師專案，輔導逾 50 名外籍生，未來將擴大辦理此計畫。另為提供本校穆斯林學生及教職員更友善及便利之祈禱空間，110 年分別於博雅教學館、圖書館各設立 2 間、1 間祈禱室，打造國際友善之校園環境。

Designing a Diverse Range of International Degree Programs

NTU provides courses taught entirely in English to nearly 1,000 international degree students. International degree programs, which focus on both professional knowledge and practice, are application-oriented, with an emphasis on internships and technical training. By actively cooperating with industries at home and abroad, internship opportunities are made available that connect learning and work. There are close to 90 degree programs available in English, including BA in civil engineering and agricultural economics, Global MBA, and MSc/PhD in Global Health. There are also two cross-collegiate, cross-disciplinary master's degree programs taught entirely in English: Global Agriculture Technology and Genomic Science (Global ATGS) with Biodiversity.

Building a Cosmopolitan Campus by Offering Diverse Courses and Activities

NTU provides more than 1,000 courses taught fully in English and additional courses taught in more than 10 different languages. With courses offered in multiple languages, students enjoy a wide range of options to sate their academic demands.

Since the second semester of the 2020 academic year, this university has invited 20 faculty members to join the 2nd Mentor Project to ease international students into life at NTU. Thus far, 50 international students has benefited from this project, and this number is expected to be drastically expanded in the near future. To provide Muslim students, teachers, and administrators with appropriate and convenient space for prayer, NTU installed two prayer rooms in the Liberal Education Classroom Building and one in the library in 2021. Such effort is a step towards promoting a congenial campus for all creeds and cultures.

05 臺大創新設計學院

NTU D-School

D-School 自 2015 年 3 月成立，致力於推動創新與創造能力的教育，打造學習者中心的跨領域創新教研環境，基於前六年的發展成效，2021 年 8 月正式轉型為兼具教學與研究性質之功能性學院，以「創新·創業·創生·未來」為發展主軸作為臺大未來大學之創新教育實驗沙盒，連結各學院與單位研發創新課程與方案，快速因應世界變遷與趨勢，培養未來創新人才。

創新
Innovation

創業
Entrepreneurialism

創生
Creation

未來
Future

NTU established D-School in March 2015 to provide innovative education that promotes creativity in a student-centered interdisciplinary teaching and research environment. Following six years of development, in August 2021, D-School officially became a functional academy for both pedagogy and research. With its core dedications to innovation, entrepreneurship, placemaking, and the future, D-School serves as an experimental sandbox for innovative education across NTU. Moreover, D-School joins with other departments in developing innovative classes and projects that respond to global changes and trends, with the aim of cultivating innovative, potential talent.



06

社會責任與服務實踐 Social Responsibility and Service



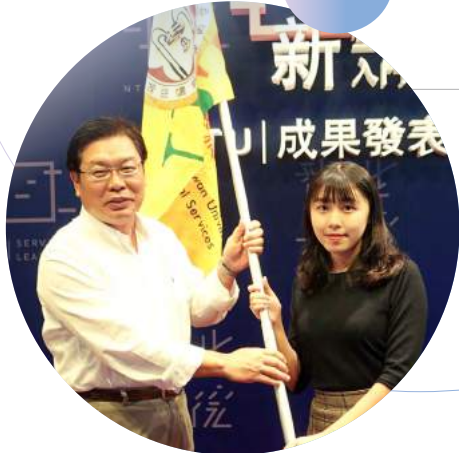
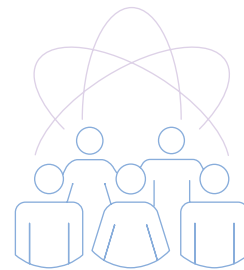
服務學習教學助理培訓
Service learning and teaching
assistant training



寒假出隊服務 - 執掌者之手探生命之光
Caring for senior citizens during winter vacation



小學營隊結業式
A ceremony to mark completion of an elementary
school camp



服務學習暨社會服務隊成果發表會
Service learning and social service teams present
their achievements



全球衛生與服務學習社
Global health and service learning club

臺大學生向來積極結合專長所學來關懷生長的土地與人群，甚至前進國內外偏鄉進行服務。本校每年開設逾 700 門服務學習課程、籌組 50 餘個社會服務隊，前往臺灣東部山區部落、離島漁村社區，還有國外如印度、馬來西亞、泰北等地，進行育樂生活營、醫療服務、課業輔導、永續環保等服務。為支持學生將服務的精神帶入國內外偏鄉，本校特別規劃專業性及偏鄉服務補助，並支援長期深耕定點服務計畫。



社會服務隊 -
圖資蘭嶼科學教案
Social service team — Students from the
Department of Library and Information Science
provide science lessons on Lanyu (Orchid Island)

NTU students show their care and compassion for Taiwan and its people through commendable undertakings that are often linked to their areas of study. They even travel to rural areas of Taiwan and abroad to implement service projects. Every year, NTU offers over 700 service-learning courses and organizes more than 50 social service teams, working in indigenous communities in mountainous areas of eastern Taiwan, fishing villages on outlying islands, and other countries, such as India, Malaysia, and northern Thailand. Participants organize recreational camps and provide health services and tutoring, as well as launch sustainability and environmental protection initiatives. To encourage students to serve in domestic and overseas rural communities, NTU subsidizes professional service programs in rural areas and supports long-term comprehensive projects in designated locations.

109 年校慶，校長頒發學生社會
奉獻特別獎 - 團體獎防疫森友會
At the 2020 NTU anniversary celebration, the
NTU president presents a social devotion
award to the epidemic Prevention Crossing.





07

NTU COOL 成功支援疫情期間遠距教學 開啟混成教學契機

NTU COOL Supports Remote Learning During the Pandemic, Sparking Blended Learning Opportunities

因應數位時代日漸多元的教學樣貌，臺大透過新一代數位教學平臺 - NTU COOL，減低教師使用數位工具進行混成教學、線上課程的門檻，持續為教與學帶來更多可能性。NTU COOL (NTU COurse OnLine) 係臺大自行開發、維運之教學平臺，採用許多國際頂尖大學使用的 Canvas LMS 為基礎，並依據校內教學需求自行開發數位教學模組，打造強調支援影片教學、線上互動、學習足跡紀錄等特色的數位平臺。2020-2021 適逢 COVID-19 疫情，多數課程由實體轉為遠距，NTU COOL 即時發揮功能，支援全校教師進行線上影片教學、互動討論、甚至是學期末的線上評量，108-2 與 109-2 學期皆有超過 2,000 門課程使用 NTU COOL，其中 6 成以上的課程使用影片進行教學，實為臺大師生開啟嘗試數位 / 實體混成教學的契機，亦體現數位教學平臺於高教現場的應用。

As the digital age gradually provides more diverse modes of teaching and learning, NTU is implementing the next generation digital teaching platform, NTU COOL (NTU COurses OnLine), to lower the barriers for faculty members to incorporate digital teaching through blended learning and online classes, and thus open up new avenues for education and learning. NTU COOL was developed with the popular learning management system Canvas LMS. According to internal teaching needs, NTU COOL features personalized digital teaching modules via asynchronous video lessons, synchronous online interaction, and continuous documentations of learning progress and evaluation. In 2020-21, during the COVID-19 pandemic, NTU COOL provided teachers a viable platform for online video teaching, discussions, and even end-of-term online evaluations to ameliorate the growing need to switch from in-person to remote learning. For the second semesters of the 2019 and 2020 academic years, teachers used NTU COOL in over 2,000 courses, more than 60% of which incorporated video teaching. The pandemic has afforded an unprecedented opportunity for instructors to experiment with hybrid digital and in-person learning models at the level of higher education.





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